

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/12/2022

Reviewed on 05/12/2022

## 1 Identification

- **Product identifier**
- **Trade name:** DPX Mounting Medium
- **Article number:** 13510, 13512, EMS/SEA1300-00A
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 3

Substances and mixtures which, in contact with water, emit flammable gases 1

H226 Flammable liquid and vapor.

H260 In contact with water releases flammable gases, which may ignite spontaneously.



GHS08 Health hazard

Toxic to Reproduction 1B

H360 May damage fertility or the unborn child.



GHS07

Acute Toxicity - Inhalation 4

Skin Irritation 2

H332 Harmful if inhaled.

H315 Causes skin irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**  
xylene  
dibutyl phthalate

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**Trade name: DPX Mounting Medium**

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· **Hazard statements**

- Flammable liquid and vapor.*
- In contact with water releases flammable gases, which may ignite spontaneously.*
- Harmful if inhaled.*
- Causes skin irritation.*
- May damage fertility or the unborn child.*

· **Precautionary statements**

- Obtain special instructions before use.*
- Do not handle until all safety precautions have been read and understood.*
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
- Do not allow contact with water.*
- Handle under inert gas. Protect from moisture.*
- Keep container tightly closed.*
- Ground/bond container and receiving equipment.*
- Use explosion-proof electrical/ventilating/lighting/equipment.*
- Use only non-sparking tools.*
- Take precautionary measures against static discharge.*
- Avoid breathing dust/fume/gas/mist/vapors/spray*
- Wash thoroughly after handling.*
- Use only outdoors or in a well-ventilated area.*
- Wear protective gloves/protective clothing/eye protection/face protection.*
- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
- IF exposed or concerned: Get medical advice/attention.*
- Call a poison center/doctor if you feel unwell.*
- Specific treatment (see on this label).*
- Take off contaminated clothing and wash it before reuse.*
- If skin irritation occurs: Get medical advice/attention.*
- Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.*
- In case of fire: Use CO<sub>2</sub>, sand, extinguishing powder to extinguish.*
- Store in a dry place. Store in a closed container.*
- Store in a well-ventilated place. Keep cool.*
- Store locked up.*
- Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



*The substance demonstrates unusual reactivity with water.*

· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

US

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Trade name: **DPX Mounting Medium**

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### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

1330-20-7	xylene	>50-≤100%
84-74-2	dibutyl phthalate	>2.5-≤10%

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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### · Protective Action Criteria for Chemicals

· PAC-1:		
1330-20-7	xylene	130 ppm
84-74-2	dibutyl phthalate	15 mg/m <sup>3</sup>
· PAC-2:		
1330-20-7	xylene	920* ppm
84-74-2	dibutyl phthalate	1,600 mg/m <sup>3</sup>
· PAC-3:		
1330-20-7	xylene	2500* ppm
84-74-2	dibutyl phthalate	9300* mg/m <sup>3</sup>

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
 Keep ignition sources away - Do not smoke.  
 Protect from heat.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
 Keep receptacle tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.  
 Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· Components with limit values that require monitoring at the workplace:	
<b>1330-20-7 xylene</b>	
PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: (150) ppm Long-term value: (100) NIC-20 ppm BEI, A4
<b>84-74-2 dibutyl phthalate</b>	
PEL	Long-term value: 5 mg/m <sup>3</sup>

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REL Long-term value: 5 mg/m<sup>3</sup>TLV Long-term value: 5 mg/m<sup>3</sup>

· **Ingredients with biological limit values:**

**1330-20-7 xylene**

BEI 1.5 g/g creatinine

Medium: urine

Time: end of shift

Parameter: Methylhippuric acids

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Liquid

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· <b>Color:</b>	Colorless
· <b>Odor:</b>	Characteristic
· <b>Odor threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	144 °C (291.2 °F)
· <b>Flash point:</b>	28 °C (82.4 °F)
· <b>Flammability (solid, gaseous):</b>	Not flammable.
· <b>Ignition temperature:</b>	390 °C (734 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Spontaneously flammable in air.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.1 Vol %
<b>Upper:</b>	7 Vol %
· <b>Vapor pressure at 20 °C (68 °F):</b>	6.7 hPa (5 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	1 g/cm <sup>3</sup> (8.345 lbs/gal)
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	90.0 %
<b>VOC content:</b>	90.00 %
	900.0 g/l / 7.51 lb/gal
· <b>Solids content:</b>	0.0 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Contact with water releases flammable gases.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

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· **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:**

### 1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rabbit)

### 84-74-2 dibutyl phthalate

Oral LD50 8,000 mg/kg (rat)

Dermal LD50 20,000 mg/kg (rabbit)

· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:** No irritating effect.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

1330-20-7 xylene

3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Ecotoxicological effects:**· **Remark:** Toxic for fish· **Additional ecological information:**· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.

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**Trade name: DPX Mounting Medium**

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- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1993
- **UN proper shipping name**
- **DOT** Flammable liquids, n.o.s. (Toluene, Xylenes)
- **ADR** 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)

- **Transport hazard class(es)**
- **DOT**



- **Class** 3 Flammable liquids
- **Label** 3

- **ADR, IMDG, IATA**



- **Class** 3 Flammable liquids
- **Label** 3

- **Packing group**
- **DOT, ADR, IMDG, IATA** III

- **Environmental hazards:** Product contains environmentally hazardous substances: dibutyl phthalate

- **Special precautions for user** Warning: Flammable liquids
- **Hazard identification number (Kemler code):** 33
- **EMS Number:** F-E,S-E
- **Stowage Category** A

- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

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Trade name: **DPX Mounting Medium**

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· **Transport/Additional information:**

· **DOT**

· **Quantity limitations**

On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

· **ADR**

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **IMDG**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES),  
3, III

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

All ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

84-74-2 dibutyl phthalate

· **Chemicals known to cause reproductive toxicity for males:**

84-74-2 dibutyl phthalate

· **Chemicals known to cause developmental toxicity:**

84-74-2 dibutyl phthalate

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

1330-20-7 xylene

I

84-74-2 dibutyl phthalate

D

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**Trade name: DPX Mounting Medium**

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· **TLV (Threshold Limit Value)**

1330-20-7 xylene

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02

GHS07

GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

xylene

dibutyl phthalate

· **Hazard statements**

Flammable liquid and vapor.

In contact with water releases flammable gases, which may ignite spontaneously.

Harmful if inhaled.

Causes skin irritation.

May damage fertility or the unborn child.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not allow contact with water.

Handle under inert gas. Protect from moisture.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

In case of fire: Use CO<sub>2</sub>, sand, extinguishing powder to extinguish.

Store in a dry place. Store in a closed container.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Contact:**

· **Date of preparation / last revision** 05/12/2022 / -

· **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*NFPA: National Fire Protection Association (USA)*

*HMS: Hazardous Materials Identification System (USA)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*NIOSH: National Institute for Occupational Safety*

*OSHA: Occupational Safety **Health***

***TLV: Threshold Limit Value***

***PEL: Permissible Exposure Limit***

***REL: Recommended Exposure Limit***

***BEI: Biological Exposure Limit***

***Flammable Liquids 3: Flammable liquids – Category 3***

***Substances and mixtures which, in contact with water, emit flammable gases 1: Substances and mixtures which in contact with water emit flammable gases – Category 1***

***Acute Toxicity - Inhalation 4: Acute toxicity – Category 4***

***Skin Irritation 2: Skin corrosion/irritation – Category 2***

***Toxic to Reproduction 1B: Reproductive toxicity – Category 1B***

# Safety Data Sheet

## according to WHS Regulations

Printing date 12.05.2022

Revision: 12.05.2022

### 1 Identification

- **Product identifier**
- **Trade name:** DPX Mounting Medium
- **Article number:** 13510, 13512, EMS/SEA1300-00A
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: [info@emsdiasum.com](mailto:info@emsdiasum.com)  
[www.emsdiasum.com](http://www.emsdiasum.com)
- ProSciTech Pty Ltd  
11 Carlton Street, Kirwan QLD 4817 Australia  
Telephone Number: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)  
Emergency Contact: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)  
Website: [ems.proscitech.com](http://ems.proscitech.com)
- Emgrid Australia Pty. Ltd.  
P.O. Box 118  
The Patch VIC 3792  
Australia  
Tel: 03 9752 1785  
Fax: 03 9752 1784  
Website: [www.emgrid.com.au](http://www.emgrid.com.au)
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

Water-react. 1 H260 In contact with water releases flammable gases which may ignite spontaneously.



GHS08 health hazard

Repr. 1B H360 May damage fertility or the unborn child.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

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## Safety Data Sheet according to WHS Regulations

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*Skin Irrit. 2 H315 Causes skin irritation.*

· **Label elements**

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02   GHS07   GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

*xylene*

*dibutyl phthalate*

· **Hazard statements**

*Flammable liquid and vapour.*

*In contact with water releases flammable gases which may ignite spontaneously.*

*Harmful if inhaled.*

*Causes skin irritation.*

*May damage fertility or the unborn child.*

· **Precautionary statements**

*Obtain special instructions before use.*

*Do not handle until all safety precautions have been read and understood.*

*Keep away from heat/sparks/open flames/hot surfaces. No smoking.*

*Keep away from any possible contact with water, because of violent reaction and possible flash fire.*

*Handle and store contents under inert gas. Protect from moisture.*

*Keep container tightly closed.*

*Ground/bond container and receiving equipment.*

*Use explosion-proof electrical/ventilating/lighting equipment.*

*Use only non-sparking tools.*

*Take precautionary measures against static discharge.*

*Avoid breathing dust/fume/gas/mist/vapours/spray.*

*Wash thoroughly after handling.*

*Use only outdoors or in a well-ventilated area.*

*Wear protective gloves/protective clothing/eye protection/face protection.*

*IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*

*IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.*

*IF exposed or concerned: Get medical advice/attention.*

*Call a POISON CENTER/doctor if you feel unwell.*

*Specific treatment (see on this label).*

*Take off contaminated clothing and wash it before reuse.*

*If skin irritation occurs: Get medical advice/attention.*

*Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.*

*In case of fire: Use CO2, sand, extinguishing powder for extinction.*

*Store in a dry place. Store in a closed container.*

*Store in a well-ventilated place. Keep cool.*

*Store locked up.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

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# Safety Data Sheet

## according to WHS Regulations

Printing date 12.05.2022

Revision: 12.05.2022

Trade name: **DPX Mounting Medium**

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· **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

- **Chemical characterisation:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

1330-20-7	xylene	>50-≤100%
84-74-2	dibutyl phthalate	>2.5-≤10%

- **SVHC**

84-74-2	dibutyl phthalate
---------	-------------------

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

- **Description of first aid measures**
- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Call for a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.

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- Ensure adequate ventilation.
- Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
- Keep ignition sources away - Do not smoke.
- Protect from heat.
- Protect against electrostatic charges.
- Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
- Keep container tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

#### 1330-20-7 xylene

WES	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 350 mg/m <sup>3</sup> , 80 ppm

#### 84-74-2 dibutyl phthalate

WES	Long-term value: 5 mg/m <sup>3</sup>
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- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

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Trade name: **DPX Mounting Medium**

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- **Respiratory protection:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

- **Protection of hands:**



Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- **Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

- **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

- **Eye protection:**



Tightly sealed goggles

## 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	144 °C

- **Flash point:** 28 °C

- **Flammability (solid, gas):** Not applicable.

- **Ignition temperature:** 390 °C

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Spontaneously flammable in air.

- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

<b>Lower:</b>	0.1 Vol %
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Trade name: **DPX Mounting Medium**

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<b>Upper:</b>	7 Vol %
· <b>Vapour pressure at 20 °C:</b>	6.7 hPa
· <b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	90.0 %
<b>VOC (EC)</b>	90.00 %
<b>Solids content:</b>	0.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Contact with water releases flammable gases.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
<b>1330-20-7 xylene</b>		
Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
<b>84-74-2 dibutyl phthalate</b>		
Oral	LD50	8,000 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

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- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful  
Irritant
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**  
Repr. 1B

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                  |  |
|----------------------------------|--|
| · <b>UN-Number</b>               |  |
| · <b>ADG, IMDG, IATA</b>         | UNI993   |
| · <b>UN proper shipping name</b> |  |
| · <b>ADG</b>                     | 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES) |
| · <b>IMDG, IATA</b>              | FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)      |

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Trade name: **DPX Mounting Medium**

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· **Transport hazard class(es)**· **ADG, IMDG, IATA**· **Class**

3 Flammable liquids.

· **Label**

3

· **Packing group**

III

· **ADG, IMDG, IATA**· **Environmental hazards:**Product contains environmentally hazardous substances:  
dibutyl phthalate· **Special precautions for user**

Warning: Flammable liquids.

· **Hazard identification number (Kemler code):**

33

· **EMS Number:**

F-E,S-E

· **Stowage Category**

A

· **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**· **ADG**· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **Transport category**

3

· **Tunnel restriction code**

D/E

· **IMDG**· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, III

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

1330-20-7 | xylene

S6

84-74-2 | dibutyl phthalate

S10

· **Australia: Priority Existing Chemicals**

84-74-2 | dibutyl phthalate

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

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## Safety Data Sheet according to WHS Regulations

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Trade name: **DPX Mounting Medium**

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· **Hazard pictograms**

GHS02   GHS07   GHS08

· **Signal word** *Danger*· **Hazard-determining components of labelling:***xylene**dibutyl phthalate*· **Hazard statements***Flammable liquid and vapour.**In contact with water releases flammable gases which may ignite spontaneously.**Harmful if inhaled.**Causes skin irritation.**May damage fertility or the unborn child.*· **Precautionary statements***Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**Keep away from heat/sparks/open flames/hot surfaces. No smoking.**Keep away from any possible contact with water, because of violent reaction and possible flash fire.**Handle and store contents under inert gas. Protect from moisture.**Keep container tightly closed.**Ground/bond container and receiving equipment.**Use explosion-proof electrical/ventilating/lighting equipment.**Use only non-sparking tools.**Take precautionary measures against static discharge.**Avoid breathing dust/fume/gas/mist/vapours/spray.**Wash thoroughly after handling.**Use only outdoors or in a well-ventilated area.**Wear protective gloves/protective clothing/eye protection/face protection.**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.**IF exposed or concerned: Get medical advice/attention.**Call a POISON CENTER/doctor if you feel unwell.**Specific treatment (see on this label).**Take off contaminated clothing and wash it before reuse.**If skin irritation occurs: Get medical advice/attention.**Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.**In case of fire: Use CO<sub>2</sub>, sand, extinguishing powder for extinction.**Store in a dry place. Store in a closed container.**Store in a well-ventilated place. Keep cool.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Directive 2012/18/EU**· **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*· **Seveso category***O2 Substances and mixtures which in contact with water emit flammable gases**P5c FLAMMABLE LIQUIDS*· **Qualifying quantity (tonnes) for the application of lower-tier requirements** *100 t*· **Qualifying quantity (tonnes) for the application of upper-tier requirements** *500 t*

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**Trade name: DPX Mounting Medium**

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· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

84-74-2	dibutyl phthalate
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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Contact:**

· **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*SVHC: Substances of Very High Concern*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Water-react. 1: Substances and mixtures which in contact with water emit flammable gases – Category 1*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Repr. 1B: Reproductive toxicity – Category 1B*

AU

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 05/12/2022

Reviewed on 05/12/2022

### 1 Identification

- **Product identifier**
- **Trade name:** DPX Mounting Medium
- **Article number:** 13510, 13512, EMS/SEA1300-00A
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2 Hazard identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 3

H226 Flammable liquid and vapour.

Substances and Mixtures Which, in Contact with Water,  
Emit Flammable Gases - Category 1H260 In contact with water releases flammable gases  
which may ignite spontaneously.

GHS08 Health hazard

Reproductive Toxicity - Category 1B

H360 May damage fertility or the unborn child.



GHS07

Acute Toxicity (Inhalation) - Category 4

H332 Harmful if inhaled.

Skin Irritation - Category 2

H315 Causes skin irritation.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

xylene

dibutyl phthalate

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# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 05/12/2022

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**Trade name: DPX Mounting Medium**

(Contd. of page 1)

**· Hazard statements**

- Flammable liquid and vapour.*
- In contact with water releases flammable gases which may ignite spontaneously.*
- Harmful if inhaled.*
- Causes skin irritation.*
- May damage fertility or the unborn child.*

**· Precautionary statements**

- Obtain special instructions before use.*
- Do not handle until all safety precautions have been read and understood.*
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
- Do not allow contact with water.*
- Handle and store contents under inert gas. Protect from moisture.*
- Keep container tightly closed.*
- Ground and bond container and receiving equipment.*
- Use explosion-proof [electrical/ventilating/lighting] equipment.*
- Use non-sparking tools.*
- Take actions to prevent static discharges.*
- Avoid breathing dust/fume/gas/mist/vapours/spray.*
- Wash thoroughly after handling.*
- Use only outdoors or in a well-ventilated area.*
- Wear protective gloves/protective clothing/eye protection/face protection.*
- IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.*
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
- IF exposed or concerned: Get medical advice/attention.*
- Call a poison center/doctor if you feel unwell.*
- Specific treatment (see on this label).*
- Take off contaminated clothing and wash it before reuse.*
- If skin irritation occurs: Get medical advice/attention.*
- In case of fire: Use CO<sub>2</sub>, sand, extinguishing powder to extinguish.*
- Store in a dry place. Store in a closed container.*
- Store in a well-ventilated place. Keep cool.*
- Store locked up.*
- Dispose of contents/container in accordance with local/regional/national/international regulations.*

**· Classification system:**
**· NFPA ratings (scale 0 - 4)**


Health = 1  
Fire = 3  
Reactivity = 2

*The substance demonstrates unusual reactivity with water.*

**· HMIS-ratings (scale 0 - 4)**


Health = \*1  
Fire = 3  
Reactivity = 2

### 3 Composition/Information on ingredients

**· Chemical characterization: Mixtures**

**· Description:** Mixture of the substances listed below with nonhazardous additions.

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# Safety Data Sheet

## according to HPR, Schedule 1

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Trade name: **DPX Mounting Medium**

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· <b>Dangerous components:</b>		
1330-20-7	xylene	80-100% w/w *
84-74-2	dibutyl phthalate	5-10% w/w *

\* Actual concentration ranges are withheld as a trade secret.

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

CA  
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# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 05/12/2022

Reviewed on 05/12/2022

Trade name: **DPX Mounting Medium**

(Contd. of page 3)

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
 Keep ignition sources away - Do not smoke.  
 Protect from heat.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
 Keep receptacle tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.  
 Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

#### 1330-20-7 xylene

EL	STEL: 150 ppm
	TWA: 100 ppm

EV	STEL: 650 mg/m <sup>3</sup> , 150 ppm
	TWA: 435 mg/m <sup>3</sup> , 100 ppm

#### 84-74-2 dibutyl phthalate

EL	TWA: 5 mg/m <sup>3</sup>
	R

EV	TWA: 5 mg/m <sup>3</sup>
----	--------------------------

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

- **Breathing equipment:**

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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## Safety Data Sheet according to HPR, Schedule 1

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Reviewed on 05/12/2022

Trade name: **DPX Mounting Medium**

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· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed goggles

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

<b>Form:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not determined.

· **pH-value:** Not determined.· **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	144 °C

· **Flash point:** 28 °C· **Flammability (solid, gaseous):** Not flammable.· **Ignition temperature:** 390 °C· **Decomposition temperature:** Not determined.· **Auto igniting:** Spontaneously flammable in air.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

<b>Lower:</b>	0.1 Vol %
<b>Upper:</b>	7 Vol %

· **Vapor pressure at 20 °C:** 6.7 hPa

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CA

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 05/12/2022

Reviewed on 05/12/2022

Trade name: **DPX Mounting Medium**

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- |   |  |
|---|--|
| · <b>Density at 20 °C:</b>                        | 1 g/cm <sup>3</sup>                        |
| · <b>Relative density</b>                         | Not determined.                            |
| · <b>Vapor density</b>                            | Not determined.                            |
| · <b>Evaporation rate</b>                         | Not determined.                            |
| · <b>Solubility in / Miscibility with Water:</b>  | Not miscible or difficult to mix.          |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                   | Not determined.                            |
| <b>Kinematic:</b>                                 | Not determined.                            |
| · <b>Solvent content:</b>                         |  |
| <b>Organic solvents:</b>                          | 90.0 %                                     |
| <b>Solids content:</b>                            | 0.0 %                                      |
| · <b>Other information</b>                        | No further relevant information available. |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Contact with water releases flammable gases.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

#### 1330-20-7 xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

#### 84-74-2 dibutyl phthalate

Oral	LD50	8,000 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Irritant

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CA

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 05/12/2022

Reviewed on 05/12/2022

**Trade name: DPX Mounting Medium**

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· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

1330-20-7 xylene	3
------------------	---

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 2 (Self-assessment): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Danger to drinking water if even small quantities leak into the ground.  
 Also poisonous for fish and plankton in water bodies.  
 Toxic for aquatic organisms*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                   |   |
|-----------------------------------|---|
| · <b>UN-Number</b>                |   |
| · <b>DOT/TDG, ADR, IMDG, IATA</b> | UNI993  |
| · <b>UN proper shipping name</b>  |   |
| · <b>DOT/TDG</b>                  | <i>Flammable liquids, n.o.s. (Toluene, Xylenes)</i>     |
| · <b>ADR</b>                      | <i>1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)</i> |
| · <b>IMDG, IATA</b>               | <i>FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)</i>      |

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· **Transport hazard class(es)**· **DOT/TDG (Transport dangerous goods):**

· **Class** 3 Flammable liquids  
 · **Label** 3

· **ADR, IMDG, IATA**

· **Class** 3 Flammable liquids  
 · **Label** 3

· **Packing group**· **DOT/TDG, ADR, IMDG, IATA** III

· **Environmental hazards:** Product contains environmentally hazardous substances: dibutyl phthalate

· **Special precautions for user** Warning: Flammable liquids· **Hazard identification number (Kemler code):** 33· **EMS Number:** F-E,S-E· **Stowage Category** A

· **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**· **DOT/TDG**

· **Quantity limitations** On passenger aircraft/rail: 60 L  
 On cargo aircraft only: 220 L

· **ADR**

· **Excepted quantities (EQ)** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

· **IMDG**

· **Limited quantities (LQ)** 5L  
 · **Excepted quantities (EQ)** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, III

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 No further relevant information available.

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Trade name: **DPX Mounting Medium**

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· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

All ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Canadian substance listings:**· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

84-74-2 dibutyl phthalate

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).· **Hazard pictograms**

GHS02

GHS07

GHS08

· **Signal word** Danger· **Hazard-determining components of labeling:**

xylene

dibutyl phthalate

· **Hazard statements**

Flammable liquid and vapour.

In contact with water releases flammable gases which may ignite spontaneously.

Harmful if inhaled.

Causes skin irritation.

May damage fertility or the unborn child.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not allow contact with water.

Handle and store contents under inert gas. Protect from moisture.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/ventilating/lighting] equipment.

Use non-sparking tools.

Take actions to prevent static discharges.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.

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# Safety Data Sheet

## according to HPR, Schedule 1

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**Trade name: DPX Mounting Medium**

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*IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*

*IF INHALED: Remove person to fresh air and keep comfortable for breathing.*

*IF exposed or concerned: Get medical advice/attention.*

*Call a poison center/doctor if you feel unwell.*

*Specific treatment (see on this label).*

*Take off contaminated clothing and wash it before reuse.*

*If skin irritation occurs: Get medical advice/attention.*

*In case of fire: Use CO<sub>2</sub>, sand, extinguishing powder to extinguish.*

*Store in a dry place. Store in a closed container.*

*Store in a well-ventilated place. Keep cool.*

*Store locked up.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Contact:**

· **Date of the latest revision of the safety data sheet** 05/12/2022 / -

· **Abbreviations and acronyms:**

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*NFPA: National Fire Protection Association (USA)*

*HMIS: Hazardous Materials Identification System (USA)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.05.2022

Revision: 12.05.2022

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** DPX Mounting Medium
- **Article number:** 13510, 13512, EMS/SEA1300-00A
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: [info@emsdiasum.com](mailto:info@emsdiasum.com)  
[www.emsdiasum.com](http://www.emsdiasum.com)
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.  
Water-react. 1 H260 In contact with water releases flammable gases which may ignite spontaneously.



health hazard

Repr. 1B H360Df May damage the unborn child. Suspected of damaging fertility.



Acute Tox. 4 H332 Harmful if inhaled.  
Skin Irrit. 2 H315 Causes skin irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** *Danger*

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# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.05.2022

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Trade name: **DPX Mounting Medium**

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- **Hazard-determining components of labelling:**

xylene  
dibutyl phthalate

- **Hazard statements**

H226 Flammable liquid and vapour.  
H260 In contact with water releases flammable gases which may ignite spontaneously.  
H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H360Df May damage the unborn child. Suspected of damaging fertility.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P223 Do not allow contact with water.  
P231+P232 Handle and store contents under inert gas. Protect from moisture.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 1330-20-7	xylene	>50-≤100%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 84-74-2	dibutyl phthalate	>2.5-≤10%
EINECS: 201-557-4	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400	

- **SVHC**

84-74-2 dibutyl phthalate

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Call for a doctor immediately.

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**Trade name: DPX Mounting Medium**

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- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

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GB

# Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: **DPX Mounting Medium**

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· 7.3 **Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

· 8.1 **Control parameters**· **Additional information about design of technical facilities:** No further data; see item 7.· **Ingredients with limit values that require monitoring at the workplace:****1330-20-7 xylene**

<i>WEL</i>	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
------------	--

**84-74-2 dibutyl phthalate**

<i>WEL</i>	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup>
------------	--

· **Ingredients with biological limit values:****1330-20-7 xylene**

<i>BMGV</i>	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
-------------	--

· **Additional information:** The lists valid during the making were used as basis.· 8.2 **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Trade name: **DPX Mounting Medium**

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· **Eye protection:**

Tightly sealed goggles

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· <b>Form:</b>	Liquid
· <b>Colour:</b>	Colourless
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.

· **pH-value:** Not determined.· **Change in condition**

· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	144 °C

· **Flash point:** 28 °C· **Flammability (solid, gas):** Not applicable.· **Ignition temperature:** 390 °C· **Decomposition temperature:** Not determined.· **Auto-ignition temperature:** Spontaneously flammable in air.· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Explosion limits:**

· <b>Lower:</b>	0.1 Vol %
· <b>Upper:</b>	7 Vol %

· **Vapour pressure at 20 °C:** 6.7 hPa

· <b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Partition coefficient: n-octanol/water:** Not determined.· **Viscosity:**

· <b>Dynamic:</b>	Not determined.
· <b>Kinematic:</b>	Not determined.

· **Solvent content:**

· <b>Organic solvents:</b>	90.0 %
· <b>VOC (EC)</b>	90.00 %

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<b>Solids content:</b>	0.0 %
------------------------	-------

<b>· 9.2 Other information</b>	No further relevant information available.
--------------------------------	--

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Contact with water releases flammable gases.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

- **Acute toxicity**  
Harmful if inhaled.

#### · **LD/LC50 values relevant for classification:**

##### 1330-20-7 xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

##### 84-74-2 dibutyl phthalate

Oral	LD50	8,000 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity**  
May damage the unborn child. Suspected of damaging fertility.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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Trade name: **DPX Mounting Medium**


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- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

· <b>14.1 UN-Number</b> · <b>ADR, IMDG, IATA</b>	UN1993
· <b>14.2 UN proper shipping name</b> · <b>ADR</b> · <b>IMDG, IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES) FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, IMDG, IATA</b>	
	
· <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	III
· <b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: dibutyl phthalate
· <b>14.6 Special precautions for user</b> · <b>Hazard identification number (Kemler code):</b> · <b>EMS Number:</b> · <b>Stowage Category</b>	Warning: Flammable liquids. 33 F-E,S-E A

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# Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: **DPX Mounting Medium**

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· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, III

## SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
O2 Substances and mixtures which in contact with water emit flammable gases  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**

84-74-2	dibutyl phthalate
---------	-------------------

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- H360Df May damage the unborn child. Suspected of damaging fertility.
- H400 Very toxic to aquatic life.

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**Safety data sheet**  
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**Trade name: DPX Mounting Medium**

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**Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*SVHC: Substances of Very High Concern*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Water-react. 1: Substances and mixtures which in contact with water emit flammable gases – Category 1*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Repr. 1B: Reproductive toxicity – Category 1B*

*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*

GB

# 化学品安全技术说明书

## 根据 GB/T 16483-2008, GB/T 17519-2013

打印日期 2022.05.12

在 2022.05.12 审核

### 1 化学品及企业标识

- 产品识别者
- 化学品中文(英文)名称, 化学品俗名或商品名: **DPX Mounting Medium**
- 商品编号: 13510, 13512, EMS/SEA1300-00A
- 相应纯物质或者混合物的相关下位用途及禁止用途 无相关详细资料。
- 物质或混合物的用途 实验室化学物
- 安全技术说明书内供应商详细信息
- 企业名称:  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- 可获取更多资料的部门: Product safety department
- 紧急联系电话号码:  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2 危险性概述

#### · 紧急情况概述:

无色的, 液体, 易燃液体和蒸气。遇水放出可自燃的易燃气体。吞咽或皮肤接触可能有害。吸入有害。造成皮肤刺激。可能对生育能力或胎儿造成伤害。对水生生物有毒。

#### · GHS危险性类别



火焰

易燃液体 第3类 H226 易燃液体和蒸气  
遇水放出易燃气体的物质 第1类 H260 遇水放出可自燃的易燃气体



健康危害

生殖毒性 第1B类 H360 可能对生育能力或胎儿造成伤害



急性毒性(吸入) 第4类 H332 吸入有害  
皮肤腐蚀/刺激 第2类 H315 造成皮肤刺激  
急性毒性(经口) 第5类 H303 吞咽可能有害  
急性毒性(经皮肤) 第5类 H313 皮肤接触可能有害  
对水环境的危害(急性) 第2类 H401 对水生生物有毒

#### · 标签要素

- GHS卷标元素 本产品根据化学物质分类及标记全球协调制度(GHS)进行了分类及标记。

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CN

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## · 象形图



GHS02 GHS07 GHS08

## · 警示词 危险

## · 标签上辨别危险的成份:

二甲苯异构体混合物 (&gt;50-≤100 %)

邻苯二甲酸二丁酯 (&gt;2.5-≤10 %)

## · 危险性说明

易燃液体和蒸气

遇水放出可自燃的易燃气体

吞咽或皮肤接触可能有害

吸入有害

造成皮肤刺激

可能对生育能力或胎儿造成伤害

对水生生物有毒

## · 防范说明

## · 预防措施

远离热源/火花/明火/热表面。禁止吸烟

不得与水接触

在惰性气体中操作。防潮。

## · 事故响应

如皮肤(或头发)沾染:立即脱掉所有沾染的衣服。用水清洗皮肤/淋浴

## · 安全储存

存放处须加锁

## · 废弃处置

处置内装物/容器按照地方/区域/国家/国际规章

## · 其他有害性

· PBT(残留性、生物浓缩性、毒性物质) 及 vPvB(高残留性、高生物浓缩性物质)评价结果

· PBT(残留性、生物浓缩性、毒性物质) 不适用的

· vPvB(高残留性、高生物浓缩性物质): 不适用的

## 3 成分/组成信息

## · 混合物

· 描述: 由以下含有无害添加剂的成分组成的混合物

## · 危险的成分:

1330-20-7	二甲苯异构体混合物 xylene	>50-≤100%
	易燃液体 第3类, H226; 急性毒性(经皮肤) 第4类, H312; 急性毒性(吸入) 第4类, H332; 皮肤腐蚀/刺激 第2类, H315; 急性毒性(经口) 第5类, H303	
84-74-2	邻苯二甲酸二丁酯 dibutyl phthalate	>2.5-≤10%
	生殖毒性 第1B类, H360; 对水环境的危害(急性) 第1类, H400	

CN

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# 化学品安全技术说明书

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### 4 急救措施

- **应急措施要领**
- **总说明:** 中毒的症状可能会在几个小时以后才出现;因此在发生事故之后起码要有 48 小时的医疗观察。
- **吸入:**
  - 供给新鲜空气. 如有需要,提供人工呼吸. 让病人保暖. 如果症状持续则询问医生.
  - 万一病人不清醒时,请让病人侧躺以便移动.
- **皮肤接触:** 马上用水和肥皂进行彻底的冲洗.
- **眼睛接触:** 张开眼睛在流水下冲洗数分钟.
- **食入:** 马上召唤医生.
- **给医生的资料:**
- **最重要的急慢性症状及其影响** 无相关详细资料。
- **需要及时的医疗处理及特别处理的症状** 无相关详细资料。

### 5 消防措施

- **灭火方法**
- **灭火的方法和灭火剂:** 使用二氧化碳 (CO<sub>2</sub>)、沙粒、灭火粉末. 切勿使用水.
- **为了安全,不适当的灭火剂会:** 使用全喷嘴的水
- **特别危险性** 无相关详细资料。
- **特殊灭火方法**
- **消防人员特殊的防护装备:** 口腔呼吸保护装置.

### 6 泄漏应急处理

- **保护措施** 带上保护仪器. 让未受到保护的人们远离.
- **环境保护措施:**
  - 如果渗入了水源或污水系统,请通知有关当局.
  - 切勿让其进入下水道/水面或地下水.
- **密封及净化方法和材料:**
  - 吸收液体粘合原料 (沙粒、硅藻土、酸性粘合剂、通用粘合剂、锯屑).
  - 根据第 13 条条款弃置受污染物.
  - 确保有足够的通风装置.
  - 切勿用水或水溶清洁剂来冲清.
- **参照其他部分**
  - 有关安全处理的资料请参阅第 7 节.
  - 有关个人防护装备的资料请参阅第 8 节.
  - 有关弃置的资料请参阅第 13 节.

### 7 操作处置与储存

- **操作处置**
- **储存**
  - 确保工作间有良好的通风/排气装置.
  - 小心打开及处理贮藏器.
  - 防止气溶胶的形成.
- **有关火灾及防止爆炸的资料:**
  - 远离火源一切勿吸烟.
  - 防热.
  - 防静电.

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提供呼吸保护装置.

- 混合危险性等安全储存条件
- 储存:
  - 储存库和容器须要达到的要求: 没有特别的要求.
  - 有关使用一个普通的储存设施来储存的资料: 不需要.
  - 有关储存条件的更多资料:
    - 将容器密封.
    - 储存密封的贮藏器内, 并放在阴凉、干爽的位置.
    - 免受接触热力和直接受阳光照射.
- 具体的最终用户 无相关详细资料.

## 8 接触控制和个体防护

- 工程控制方法: 没有进一步数据; 见第 7 项.
- 控制变数

在工作场需要监控的限值成分	
1330-20-7 二甲苯异构体混合物	
OEL (CN)	PC-STEL: 100 mg/m <sup>3</sup> PC-TWA: 50 mg/m <sup>3</sup>
PEL (TW)	PC-TWA: 434 mg/m <sup>3</sup> , 100 ppm
84-74-2 邻苯二甲酸二丁酯	
OEL (CN)	PC-TWA: 2.5 mg/m <sup>3</sup>
PEL (TW)	PC-TWA: 5 mg/m <sup>3</sup>

- 额外的资料: 制作期间有效的清单将作为基础来使用.

### · 泄漏控制

### · 个人防护设备:

#### · 一般保护和卫生措施:

- 远离食品、饮料和饲料.
- 立即除去所有的不洁的和被污染的衣服.
- 在休息之前和工作完毕后请清洗双手.
- 分开储存保护性衣服.
- 避免和皮肤接触.
- 避免和眼睛及皮肤接触.

### · 呼吸系统防护:

- 如果曾短暂接触或在低污染的情况下 ,
- 如果曾深入或较长时间接触, 请使用独立的呼吸保护装置.

请使用呼吸过滤装置

### · 手防护:



保护手套

- 手套的物料必须是不渗透性的, 且能抵抗该产品/物质/添加剂.
- 基于缺乏测试, 对于产品/制剂/化学混合物, 并不会提供手套材料的建议
- 选择手套材料时, 请注意材料的渗透时间, 渗透率和降解参数

### · 手套材料

- 选择合适的手套不单取决于材料 , 亦取决于质量特征 , 以及来自哪一间生产厂家 , 因为该产品是由很多材料配制而成, 手套材料的抵抗力并不可预计, 所以, 必须在使用之前进行检查
- 渗入手套材料的时间 请向劳保手套生产厂家获取准确的破裂时间并观察实际的破裂时间

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·眼睛防护:



密封的护目镜

## 9 理化特性

·有关基本物理及化学特性的信息

·一般说明

·外观:

形状: 液体

颜色: 无色的

·气味: 有特性的

·嗅觉阈限 未决定.

·pH值: 未决定.

·条件的更改

熔点: 未确定的

沸点/初沸点和沸程: 144 °C

·闪点: 28 °C

·可燃性(固体、气体): 不适用的

·点火温度: 390 °C

·分解温度: 未决定.

·自燃温度: 在空气中是自发点燃的.

·爆炸的危险性: 该产品并非爆炸性的然而有可能形成可爆炸性的空气/蒸汽混合物

·爆炸极限:

较低: 0.1 Vol %

较高: 7 Vol %

·蒸气压在 20 °C: 6.7 hPa

·密度在 20 °C: 1 g/cm<sup>3</sup>

·相对密度 未决定.

·蒸气密度 未决定.

·蒸发速率 未决定.

·溶解性

水: 不能拌和的或难以拌和

·n-辛醇/水分配系数: 未决定.

·黏性:

动态: 未决定.

运动学的: 未决定.

·溶剂成份:

有机溶剂: 90.0 %

固体成份: 0.0 %

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· 其他信息 无相关详细资料。

## 10 稳定性和反应性

- 反应性 无相关详细资料。
- 稳定性
- 热分解/要避免的情况: 如果遵照规格使用则不会分解。
- 有害反应可能性 和水接触时释放可燃气体。
- 应避免的条件 无相关详细资料。
- 不相容的物质: 无相关详细资料。
- 危险的分解产物: 未知有危险的分解产品。

## 11 毒理学信息

· 对毒性学影响的信息

· 急性毒性:

· 与分类相关的 LD/LC50 值:

1330-20-7 二甲苯异构体混合物

口腔 LD50 4,300 mg/kg (rat)

皮肤 LD50 2,000 mg/kg (rabbit)

84-74-2 邻苯二甲酸二丁酯

口腔 LD50 8,000 mg/kg (rat)

皮肤 LD50 20,000 mg/kg (rabbit)

· 主要的刺激性影响:

· 皮肤: 刺激皮肤和粘膜。

· 在眼睛上面: 没有刺激的影响。

· 致敏作用: 没有已知的敏化影响。

· 更多毒物的资料:

根据有关配制的一般欧盟分类指南的计算方法 (刊印在最新版本), 该产品显示以下的危险:

有害的

刺激性的

· 对以下组别可能产生影响的数据:

· CMR作用 (致癌、导致基因突变、对生殖系统有害)

生殖毒性 第1B类

## 12 生态学信息

· 生态毒性

· 水生毒性: 无相关详细资料。

· 持久性和降解性 无相关详细资料。

· 环境系统习性:

· 潜在的生物累积性 无相关详细资料。

· 土壤内移动性 无相关详细资料。

· 生态毒性的影响:

· 备注: 对鱼类有毒

· 额外的生态学资料:

· 总括注解:

水危害级别 2 (德国规例) (通过名单进行自我评估): 对水是危害的

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不要让该产品接触地下水、水道或污水系统。  
即使是小量的产品渗入地下也会对饮用水造成危险。  
对水体中的鱼和浮游生物也有毒害。  
对水中的有机物有毒。

- PBT(残留性、生物浓缩性、毒性物质) 及 vPvB(高残留性、高生物浓缩性物质)评价结果
- PBT(残留性、生物浓缩性、毒性物质) 不适用的
- vPvB(高残留性、高生物浓缩性物质): 不适用的
- 其他副作用 无相关详细资料。

### 13 废弃处置

- 废弃处置方法
- 建议: 不能将该产品和家居垃圾一起丢弃。不要让该产品接触污水系统。
- 受污染的容器和包装:
- 建议: 必须根据官方的规章来丢弃。

### 14 运输信息

· 联合国危险货物编号(UN号)	UN1993
· ADR, IMDG, IATA	
· UN适当装船名	1993 易燃液体, 未另作规定的 (甲苯, 二甲苯类)
· ADR	FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
· IMDG, IATA	
· 运输危险等级	
· ADR, IMDG, IATA	
	
· 级别	3 易燃液体
· 标签	3
· 包装组别	
· ADR, IMDG, IATA	III
· 环境危害	该产品含有对环境有害的原料: 邻苯二甲酸二丁酯
· 用户特别预防措施	警告: 易燃液体
· 危险编码:	33
· EMS 号码:	F-E,S-E
· Stowage Category	A
· MARPOL73/78(针对船舶引起的海洋污染预防协议)附件书2及根据IBC Code(国际装船货物编码)的大量运送	不适用的

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## · 运输/额外的资料:

## · ADR

## · Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

## · IMDG

## · Limited quantities (LQ)

5L

## · Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

## · UN "标准规定":

UN 1993 易燃液体, 未另作规定的 (甲苯, 二甲苯类), 3, III

## 15 法规信息

· 对相应纯物质或者混合物的安全、保健及环境法规/法律 无相关详细资料。

· 危险化学品安全管理条例

· 危险化学品目录

1330-20-7 | 二甲苯异构体混合物

· 化学品首次进口及有毒化学品进出口环境管理规定

· 新化学物质环境管理办法

· 中国现有化学物质名录

列出所有成分

· GHS卷标元素 本产品根据化学物质分类及标记全球协调制度(GHS)进行了分类及标记。

· 象形图



GHS02

GHS07

GHS08

· 警示词 危险

· 标签上辨别危险的成份:

二甲苯异构体混合物 (&gt;50-≤100 %)

邻苯二甲酸二丁酯 (&gt;2.5-≤10 %)

· 危险性说明

易燃液体和蒸气

遇水放出可自燃的易燃气体

吞咽或皮肤接触可能有害

吸入有害

造成皮肤刺激

可能对生育能力或胎儿造成伤害

对水生生物有毒

· 防范说明

· 预防措施

远离热源/火花/明火/热表面。禁止吸烟

不得与水接触

在惰性气体中操作。防潮。

(在 9 页继续)

# 化学品安全技术说明书

## 根据 GB/T 16483-2008, GB/T 17519-2013

打印日期 2022.05.12

在 2022.05.12 审核

化学品中文(英文)名称, 化学品俗名或商品名: DPX Mounting Medium

(在 8 页继续)

- **事故响应**  
如皮肤(或头发)沾染:立即脱掉所有沾染的衣服。用水清洗皮肤/淋浴
- **安全储存**  
存放处须加锁
- **废弃处置**  
处置内装物/容器按照地方/区域/国家/国际规章
- **化学物质安全性评价**: 尚未进行化学物质安全性评价

### 16 其他信息

该资料是基于我们目前的知识  
然而,这并不构成对任何特定产品特性的担保并且不建立一个法律上有效的合同关系。

- **联络:**
- **缩写:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: 持久性生物累积性有毒物质

vPvB: very Persistent and very Bioaccumulative

易燃液体 第3类: Flammable liquids – Category 3

遇水放出易燃气体的物质 第1类: Substances and mixtures which in contact with water emit flammable gases – Category 1

急性毒性(经口) 第5类: Acute toxicity – Category 5

急性毒性(经皮肤) 第4类: Acute toxicity – Category 4

皮肤腐蚀/刺激 第2类: Skin corrosion/irritation – Category 2

生殖毒性 第1B类: Reproductive toxicity – Category 1B

对水环境的危害(急性) 第1类: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

对水环境的危害(急性) 第2类: Hazardous to the aquatic environment - acute aquatic hazard – Category 2

CN

# Sikkerhedsdatablad

ifølge 1907/2006/EF, Artikel 31

Trykdato: 12.05.2022

Revision: 12.05.2022

## PUNKT 1: Identifikation af stoffet/blandingen og af selskabet/virksomheden

- **1.1 Produktidentifikator**
- **Handelsnavn: DPX Mounting Medium**
- **Artikelnummer: 13510, 13512, EMS/SEA1300-00A**
- **UFI: Q631-M0G1-X00H-3WJ2**
- **1.2 Relevante identificerede anvendelser for stoffet eller blandingen samt anvendelser, der frarådes**  
Der står ingen yderligere, relevante informationer til rådighed.
- **Stoffets/præparatets anvendelse** Laboratoriekemikalier
- **1.3 Nærmere oplysninger om leverandøren af sikkerhedsdatabladet**
- **Producent/leverandør**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- **For yderligere information: Product safety department**
- **1.4 Nødtelefon:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## PUNKT 2: Fareidentifikation

- **2.1 Klassificering af stoffet eller blandingen**
- **Klassificering i henhold til forordning (EF) nr. 1272/2008**



GHS02 flamme

Flam. Liq. 3 H226 Brandfarlig væske og damp.

Water-react. 1 H260 Ved kontakt med vand udvikles brandfarlige gasser, som kan selvantænde.



GHS08 sundhedsfarer

Repr. 1B H360Df Kan skade det ufødte barn. Mistænkes for at skade forplantningsevnen.



GHS07

Acute Tox. 4 H332 Farlig ved indånding.

Skin Irrit. 2 H315 Forårsager hudirritation.

- **2.2 Mærkningselementer**
- **Mærkning i henhold til forordning (EF) nr. 1272/2008**  
Dette produkt er klassificeret og mærket iht. CLP-forordningen.
- **Farepiktogrammer**



GHS02



GHS07



GHS08

(Fortsættes på side 2)

# Sikkerhedsdatablad

## ifølge 1907/2006/EF, Artikel 31

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### Handelsnavn: DPX Mounting Medium

(Fortsat fra side 1)

- **Signalord** Fare

- **Farebestemmende komponent(er) til etikettering:**

xylene  
dibutylphthalat

- **Faresætninger**

H226 Brandfarlig væske og damp.  
H260 Ved kontakt med vand udvikles brandfarlige gasser, som kan selvantænde.  
H332 Farlig ved indånding.  
H315 Forårsager hudirritation.  
H360Df Kan skade det ufødte barn. Mistænkes for at skade forplantningsevnen.

- **Sikkerhedssætninger**

P210 Holdes væk fra varme, varme overflader, gnister, åben ild og andre antændelseskilder. Rygning forbudt.  
P223 Undgå kontakt med vand.  
P231+P232 Håndteres og opbevares under inert gas. Beskyt mod fugt.  
P303+P361+P353 VED KONTAKT MED HUDEN (eller håret): Tilsudset tøj tages straks af/fjernes. Skyl [eller brus] huden med vand.  
P405 Opbevares under lås.  
P501 Bortskaffelse af indholdet/beholderen i henhold til de lokale/regionale/nationale/internationale forskrifter.

- **2.3 Andre farer**

- **Resultater af PBT- og vPvB-vurdering**

- **PBT:** Ikke relevant.

- **vPvB:** Ikke relevant.

### PUNKT 3: Sammensætning af/oplysning om indholdsstoffer

- **3.2 Kemisk betegnelse: Blandinger**

- **Beskrivelse:** Blanding med nedenstående stoffer med ufarlige tilsætningsstoffer.

- **Farlige indholdsstoffer:**

CAS: 1330-20-7	xylene	>50-≤100%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 84-74-2	dibutylphthalat	>2,5-≤10%
EINECS: 201-557-4	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400	

- **SVHC**

84-74-2 dibutylphthalat

- **Yderligere anvisninger:** Teksten til de anførte farehenvísninger fremgår af kapitel 16.

### PUNKT 4: Førstehjælpsforanstaltninger

- **4.1 Beskrivelse af førstehjælpsforanstaltninger**

- **Generelle anvisninger:**

Forgiftningssymptomer kan optræde med mange timers forsinkelse, derfor skal lægeovervågningen vare mindst 48 timer efter et uheld.

- **Efter indånding:**

Frisk luft, giv om nødvendigt kunstigt åndedræt, varme. Søg læge, hvis problemerne er vedvarende. I tilfælde af bevidstløshed skal den tilskadede lægges ned og transporteres i stabilt sideleje.

- **Efter hudkontakt:** Skal omgående vaskes af med vand og sæbe, skyl godt efter.

- **Efter øjenkontakt:** Skyl øjnene med åbent øjenlåg i flere minutter under rindende vand.

(Fortsættes på side 3)

# Sikkerhedsdatablad

## ifølge 1907/2006/EF, Artikel 31

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**Handelsnavn: DPX Mounting Medium**

(Fortsat fra side 2)

- **Efter indtagelse:** Søg læge.
- **4.2 Vigtigste symptomer og virkninger, både akutte og forsinkede**  
Der står ingen yderligere, relevante informationer til rådighed.
- **4.3 Angivelse af om øjeblikkelig lægehjælp og særlig behandling er nødvendig**  
Der står ingen yderligere, relevante informationer til rådighed.

### PUNKT 5: Brandbekæmpelse

- **5.1 Slukningsmidler**
- **Egnede slukningsmidler:** CO<sub>2</sub>, sand, slukningspulver. Brug ikke vand.
- **Slukningsmidler, der er uegnede af sikkerhedsmæssige grunde:** Vand i fuld stråle.
- **5.2 Særlige farer i forbindelse med stoffet eller blandingen**  
Der står ingen yderligere, relevante informationer til rådighed.
- **5.3 Anvisninger for brandmandskab**
- **Særlige værnemidler:** Bær åndedrætsværn.

### PUNKT 6: Forholdsregler over for udslip ved uheld

- **6.1 Personlige sikkerhedsforanstaltninger, personlige værnemidler og nødprocedurer**  
Bær beskyttelsesudstyr. Hold ubeskyttede personer borte.
- **6.2 Miljøbeskyttelsesforanstaltninger:**  
I tilfælde af indtrængen i vandløb eller kloaksystem skal de pågældende myndigheder underrettes.  
Må ikke udledes i kloaksystemet/overfladevand/grundvand.
- **6.3 Metoder og udstyr til inddæmning og oprensning:**  
Opsamles med væskebindende materiale (sand, kiselgur, syrebindemiddel, universalbindemiddel, savsmuld).  
Kontamineret materiale skal bortskaffes som affald ifølge punkt 13.  
Sørg for tilstrækkelig udluftning.  
Må ikke skylles væk med vand eller vandige rengøringemidler.
- **6.4 Henvielse til andre punkter**  
Information om sikker håndtering se kapitel 7.  
Informationer vedrørende personlige værnemidler se kapitel 8.  
Informationer om bortskaffelse se kapitel 13.

### PUNKT 7: Håndtering og opbevaring

- **7.1 Forholdsregler for sikker håndtering**  
Sørg for god udluftning/udsugning på arbejdspladsen.  
Beholdere skal åbnes og håndteres med forsigtighed.  
Undgå aerosoldannelse.
- **Anvisninger vedrørende brand- og eksplosionsbeskyttelse:**  
Hold antændelige kilder borte – ingen rygning.  
Beskyttes mod varme.  
Træf forholdsregler mod elektrostatiske opladninger.  
Hold åndedrætsværn i beredskab.
- **7.2 Betingelser for sikker opbevaring, herunder eventuel uforenelighed**
- **Opbevaring:**
- **Krav til opbevaringsrum og beholdere:** Ingen særlige krav.
- **Henvielse vedrørende opbevaring med andre stoffer:** Ikke påkrævet.
- **Yderligere oplysninger vedrørende opbevaringsbetingelserne:**  
Hold beholderen tætsluttende lukket.  
Opbevares køligt og tørt i tætsluttende beholdere.

(Fortsættes på side 4)



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Beskyttes mod varme og direkte sollys.

· **7.3 Særlige anvendelser** Der står ingen yderligere, relevante informationer til rådighed.

### PUNKT 8: Eksponeringskontrol/personlige værnemidler

· **8.1 Kontrolparametre**· **Yderligere anvisninger vedrørende udformning af tekniske anlæg:** Ingen yderligere oplysninger, se punkt 7.· **Indholdsstoffer med arbejdspladsrelaterede grænseværdier, der skal overvåges:**

#### 1330-20-7 xylén

GV	Langtidsværdi: 109 mg/m <sup>3</sup> , 25 ppm
	EH

#### 84-74-2 dibutylphthalat

GV	Langtidsværdi: 3 mg/m <sup>3</sup>
----	------------------------------------

· **Yderligere anvisninger:** Baseret på de lister, der var gældende på tidspunktet for udarbejdelsen.· **8.2 Eksponeringskontrol**· **Personlige værnemidler:**· **Generelle forholdsregler vedrørende beskyttelse og hygiejne:**

Skal holdes borte fra føde- og drikkevarer og foderstoffer.

Forurenet, gennemvædet tøj skal det tages af med det samme.

Vask hænder inden der holdes pause og ved arbejdsophør.

Adskilt opbevaring af beskyttelsesklædning.

Undgå kontakt med huden.

Undgå kontakt med øjne og hud.

· **Åndedrætsværn:**

Ved kortvarig eller ringe belastning skal der benyttes åndedrætsværn med filter, ved intensiv eller længere eksponering skal der benyttes luftforsynet åndedrætsværn.

· **Håndbeskyttelse:**

Beskyttelseshandsker

Handskematerialet skal være uigennemtrængeligt og kunne tåle produktet/stoffet/præparatet.

På grund af manglende tests kan der ikke anbefales noget handskemateriale til produktet/præparatet/kemikalieblandingen.

Ved valg af handskematerialet skal der tages højde for gennemtrængningstider, permeabilitetstal og nedbrydning.

· **Handskemateriale:**

Valg af en egnet handske afhænger ikke blot af materialet, men også af yderligere kvalitetskriterier og er forskelligt fra den ene fabrikant til den anden. Da produktet er et præparat af flere forskellige stoffer, kan handskematerialernes bestandighed ikke beregnes på forhånd og skal derfor efterprøves inden brugen.

· **Handskematerialets gennemtrængningstid**

Hos handskefabrikanten skal man forespørge om den nøjagtige gennemtrængningstid og overholde denne.

· **Øjenbeskyttelse:**

Tætsluttende beskyttelsesbriller

DK

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### PUNKT 9: Fysiske og kemiske egenskaber

#### · 9.1 Oplysninger om grundlæggende fysiske og kemiske egenskaber

##### · Generelle oplysninger

##### · Udseende:

· Form:	Væske
· Farve:	Farveløs
· Lugt:	Karakteristisk
· Lugttærskel:	Ikke bestemt.

· pH-værdi: Ikke bestemt.

##### · Tilstandsændring

· Smeltepunkt/frysepunkt:	Ikke bestemt.
· Begyndelseskogepunkt og kogepunktsinterval:	144 °C

· Flammepunkt: 28 °C

· Antændelighed (fast stof, luftart): Ikke relevant.

· Antændelsepunkt: 390 °C

· Dekomponeringstemperatur: Ikke bestemt.

· Selvantændelsestemperatur: Selvantændelig i luft.

· Eksplosive egenskaber: Produktet er ikke eksplosivt, der kan dog dannes eksplosive damp-/luftblandinger.

##### · Eksplosionsgrænser:

· Nedre:	0,1 Vol %
· Øvre:	7 Vol %

· Damptryk ved 20 °C: 6,7 hPa

· Densitet ved 20 °C: 1 g/cm<sup>3</sup>

· Relativ massefylde: Ikke bestemt.

· Dampmassefylde: Ikke bestemt.

· Fordampningshastighed: Ikke bestemt.

· Opløselighed i/blandbarhed med vand:

Ikke eller kun lidt blandbar.

· Fordelingskoefficient: n-oktanol/vand: Ikke bestemt.

##### · Viskositet:

· dynamisk:	Ikke bestemt.
· kinematisk:	Ikke bestemt.

##### · Opløsningsmiddelindhold:

· Organiske opløsningsmidler:	90,0 %
· VOC (EU)	90,00 %

· Tørstofindhold: 0,0 %

· 9.2 Andre oplysninger: Der står ingen yderligere, relevante informationer til rådighed.

### PUNKT 10: Stabilitet og reaktivitet

· 10.1 Reaktivitet: Der står ingen yderligere, relevante informationer til rådighed.

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# Sikkerhedsdatablad

## ifølge 1907/2006/EF, Artikel 31

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- **10.2 Kemisk stabilitet**
- **Termisk nedbrydning/forhold, der bør undgås** Ingen nedbrydning ved formålsbestemt brug.
- **10.3 Risiko for farlige reaktioner** Kontakt med vand frigiver brændbare gasser.
- **10.4 Forhold, der skal undgås** Der står ingen yderligere, relevante informationer til rådighed.
- **10.5 Materialer, der skal undgås:** Der står ingen yderligere, relevante informationer til rådighed.
- **10.6 Farlige nedbrydningsprodukter:** Der er ikke kendskab til nogen farlige nedbrydningsprodukter.

### PUNKT 11: Toksikologiske oplysninger

#### 11.1 Oplysninger om toksikologiske virkninger

##### Akut toksicitet

Farlig ved indånding.

##### Klassificeringsrelevante LD/LC50-værdier:

###### 1330-20-7 xylen

Oral	LD50	4.300 mg/kg (rat)
Dermal	LD50	2.000 mg/kg (rabbit)

###### 84-74-2 dibutylphthalat

Oral	LD50	8.000 mg/kg (rat)
Dermal	LD50	20.000 mg/kg (rabbit)

##### Primær irritationsvirkning:

##### Hudætsning/-irritation

Forårsager hudirritation.

##### Alvorlig øjenskade/øjenirritation

Kriterierne for klassificering kan på grundlag af de foreliggende data ikke anses for at være opfyldt.

##### Respiratorisk sensibilisering eller hudsensibilisering

Kriterierne for klassificering kan på grundlag af de foreliggende data ikke anses for at være opfyldt.

##### Yderligere toksikologiske oplysninger:

##### CMR-virkninger (kræftfremkaldende egenskaber, mutagenicitet og reproduktionstoksicitet)

##### Kimcellemutagenicitet

Kriterierne for klassificering kan på grundlag af de foreliggende data ikke anses for at være opfyldt.

##### Kræftfremkaldende egenskaber

Kriterierne for klassificering kan på grundlag af de foreliggende data ikke anses for at være opfyldt.

##### Reproduktionstoksicitet

Kan skade det ufødte barn. Mistænkes for at skade forplantningsevnen.

##### Enkel STOT-eksponering

Kriterierne for klassificering kan på grundlag af de foreliggende data ikke anses for at være opfyldt.

##### Gentagne STOT-eksponeringer

Kriterierne for klassificering kan på grundlag af de foreliggende data ikke anses for at være opfyldt.

##### Aspirationsfare

Kriterierne for klassificering kan på grundlag af de foreliggende data ikke anses for at være opfyldt.

### PUNKT 12: Miljøoplysninger

#### 12.1 Toksicitet

· **Toksicitet i vand:** Der står ingen yderligere, relevante informationer til rådighed.

· **12.2 Persistens og nedbrydelighed** Der står ingen yderligere, relevante informationer til rådighed.

· **12.3 Bioakkumuleringspotentialer** Der står ingen yderligere, relevante informationer til rådighed.

· **12.4 Mobilitet i jord** Der står ingen yderligere, relevante informationer til rådighed.

#### Økotoksicitet

· **Bemærkning:** Giftig for fisk.

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- **Yderligere økologiske oplysninger:**
- **Generelle anvisninger:**
  - Fareklasse for vand 2 (Selvklassificering): vandforurenende
  - Må ikke udledes i grundvandet, vandløb eller kloaksystemet.
  - Risiko for forurening af drikkevandet allerede ved udslip af små mængder i undergrunden.
  - I vandløb også giftig for fisk og plankton.
  - giftig for vandorganismer
- **12.5 Resultater af PBT- og vPvB-vurdering**
- **PBT:** Ikke relevant.
- **vPvB:** Ikke relevant.
- **12.6 Andre negative virkninger** Der står ingen yderligere, relevante informationer til rådighed.

### PUNKT 13: Bortskaffelse

- **13.1 Metoder til affaldsbehandling**
- **Anbefaling:** Må ikke bortskaffes sammen med husholdningsaffald. Må ikke udledes i kloaksystemet.
- **Urensede emballager:**
- **Anbefaling:** Bortskaffes i overensstemmelse med myndighedernes forskrifter.

### PUNKT 14: Transportoplysninger

- |  |   |
|--|---|
| · <b>14.1 UN-nummer</b>  |   |
| · <b>ADR, IMDG, IATA</b>   | UN1993  |
| · <b>14.2 UN-forsendelsesbetegnelse (UN proper shipping name)</b>          |   |
| · <b>ADR</b>   | 1993 BRANDFARLIG VÆSKE, N.O.S. (TOLUEN, XYLENER)                                    |
| · <b>IMDG, IATA</b>  | FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)   |
| · <b>14.3 Transportfareklasse(r)</b>                                       |   |
| · <b>ADR, IMDG, IATA</b>   |   |
|  |  |
| · <b>klasse</b>  | 3 Brandfarlige væsker   |
| · <b>Faremærkat</b>  | 3   |
| · <b>14.4 Emballagegruppe</b>  |   |
| · <b>ADR, IMDG, IATA</b>   | III   |
| · <b>14.5 Miljøfarer:</b>  | Produkt indeholder miljøfarlige stoffer: dibutylphthalat                            |
| · <b>14.6 Særlige forsigtighedsregler for brugeren</b>                     | Advarsel: Brandfarlige væsker   |
| · <b>Farenummer (Kemler-tal):</b>  | 33  |
| · <b>EMS-nummer:</b>   | F-E,S-E   |
| · <b>Stowage Category</b>  | A   |
| · <b>14.7 Bulktransport i henhold til bilag II til MARPOL og IBC-koden</b> | Ikke relevant.  |

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**Handelsnavn: DPX Mounting Medium**

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· **Transport/yderligere oplysninger:**

· **ADR**

· **Begrænsede mængder (LQ)**

5L

· **Undtagne mængder (EQ)**

Kode: E1

Største tilladte nettomængde pr. indvendig emballage: 30 ml

Største tilladte nettomængde pr. ydre emballage: 1000 ml

· **Transportkategori**

3

· **Tunnelrestriktionskode**

D/E

· **IMDG**

· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 1993 BRANDFARLIG VÆSKE, N.O.S. (TOLUEN, XYLENER), 3, III

### PUNKT 15: Oplysninger om regulering

· **15.1 Særlige bestemmelser/særlig lovgivning for stoffet eller blandingen med hensyn til sikkerhed, sundhed og miljø**

· **Direktiv 2012/18/EU**

· **Navngivne farlige stoffer - BILAG I** Ingen af indholdsstofferne er optaget i listen.

· **Seveso-bestemmelser**

O2 Stoffer og blandinger, som ved kontakt med vand afgiver brandfarlige gasser

P5c BRANDFARLIGE VÆSKER

· **Tærskelmængde (tons) for anvendelse af Kolonne 2-krav** 100 t

· **Tærskelmængde (tons) for anvendelse af Kolonne 3-krav** 500 t

· **FORTEGNELSE OVER STOFFER, DER KRÆVER GODKENDELSE (BILAG XIV)**

84-74-2 dibutylphthalat

Sunset date: a) 2015-02-21, b) 2024-12-14

· **Forordning (EF) nr. 1907/2006 BILAG XVII** Begrænsninger: 3, 30, 40, 51b

· **Direktiv 2011/65/EU om begrænsning af anvendelsen af visse farlige stoffer i elektrisk og elektronisk udstyr - Bilag II**

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· **FORORDNING (EU) 2019/1148**

· **Bilag I - UDANGSSTOFFER TIL EKSPLOSIVSTOFFER UNDERLAGT BEGRÆNSNINGER (Øvre grænseværdi med henblik på licens i henhold til artikel 5, stk. 3)**

Ingen af indholdsstofferne er optaget i listen.

· **Bilag II - INDBERETNINGSPLIGTIGE UDANGSSTOFFER TIL EKSPLOSIVSTOFFER**

Ingen af indholdsstofferne er optaget i listen.

· **Forordning (EF) nr. 273/2004 om narkotikaprækursorer**

Ingen af indholdsstofferne er optaget i listen.

· **Forordning (EF) Nr. 111/2005 om regler for overvågning af handel med narkotikaprækursorer mellem Fællesskabet og tredjelande**

Ingen af indholdsstofferne er optaget i listen.

(Fortsættes på side 9)

# Sikkerhedsdatablad

ifølge 1907/2006/EF, Artikel 31

Trykdato: 12.05.2022

Revision: 12.05.2022

**Handelsnavn: DPX Mounting Medium**

(Fortsat fra side 8)

· **Nationale forskrifter:**

· **Øvrige forskrifter, restriktioner og forbudsforordninger**

· **Særligt problematiske stoffer (SVHC) ifølge REACH, artikel 57**

84-74-2	dibutylphthalat
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· **MAL-Code:** 5-6

· **15.2 Kemikaliesikkerhedsvurdering:** Der er ikke udført kemikaliesikkerhedsvurdering.

## PUNKT 16: Andre oplysninger

Alle ovenstående angivelser er baseret på vores aktuelle viden, udgør dog ikke nogen tilsikring af produktgenskaber og stifter heller ikke noget kontraktligt retsforhold.

· **Risikoangivelser**

H226 Brandfarlig væske og damp.

H312 Farlig ved hudkontakt.

H315 Forårsager hudirritation.

H332 Farlig ved indånding.

H360Df Kan skade det ufødte barn. Mistænkes for at skade forplantningsevnen.

H400 Meget giftig for vandlevende organismer.

· **Forkortelser og akronymer:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

Måleteknisk Arbejdshygiejnisk Luftbehov

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Brandfarlige væsker – Kategori 3

Water-react. 1: Stoffer og blandinger som ved kontakt med vand afgiver brandfarlige gasser – Kategori 1

Acute Tox. 4: Akut toksicitet – Kategori 4

Skin Irrit. 2: Hudætsning/hudirritation – Kategori 2

Repr. 1B: Reproduktionstoksicitet – Kategori 1B

Aquatic Acute 1: Farlig for vandmiljøet - akut fare for vandmiljøet – Kategori 1

# Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 12.05.2022

Herziening van: 12.05.2022

## RUBRIEK 1: Identificatie van de stof of het mengsel en van de vennootschap/onderneming

- **1.1 Productidentificatie**
- **Handelsnaam:** DPX Mounting Medium
- **Artikelnummer:** 13510, 13512, EMS/SEA1300-00A
- **UFI:** Q631-M0G1-X00H-3WJ2
- **1.2 Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik**  
Geen verdere relevante informatie verkrijgbaar.
- **Toepassing van de stof / van de bereiding** Laboratoriumchemicaliën
- **1.3 Details betreffende de verstrekker van het veiligheidsinformatieblad**
- **Fabrikant/leverancier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: [info@emsdiasum.com](mailto:info@emsdiasum.com)  
[www.emsdiasum.com](http://www.emsdiasum.com)
- Aurion  
Binnenhaven 5  
6709 PD Wageningen  
The Netherlands  
Tel: 31 317 415094  
Fax: 31 317 415955  
email: [info@aurion.nl](mailto:info@aurion.nl)
- **Inlichtingengevende sector:** Product safety department
- **1.4 Telefoonnummer voor noodgevallen:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## RUBRIEK 2: Identificatie van de gevaren

- **2.1 Indeling van de stof of het mengsel**
- **Indeling overeenkomstig Verordening (EG) nr. 1272/2008**



GHS02 vlam

Flam. Liq. 3 H226 Ontvlambare vloeistof en damp.

Water-react. 1 H260 In contact met water komen ontvlambare gassen vrij die spontaan kunnen ontbranden.



GHS08 gezondheidsgevaar

Repr. 1B H360Df Kan het ongeboren kind schaden. Wordt ervan verdacht de vruchtbaarheid te schaden.



GHS07

Acute Tox. 4 H332 Schadelijk bij inademing.

Skin Irrit. 2 H315 Veroorzaakt huidirritatie.

- **2.2 Etiketteringselementen**
- **Etikettering overeenkomstig Verordening (EG) nr. 1272/2008**  
Het product is geclassificeerd en geëtiketteerd volgens de CLP-verordening.

(Vervolg op blz. 2)



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Handelsnaam: DPX Mounting Medium

(Vervolg van blz. 1)

· **Gevarenpictogrammen**

GHS02 GHS07 GHS08

· **Signaalwoord** Gevaar· **Gevaaraanduidende componenten voor de etikettering:**xyleen  
dibutylftalaat· **Gevarenaanduidingen**

H226 Ontvlambare vloeistof en damp.  
 H260 In contact met water komen ontvlambare gassen vrij die spontaan kunnen ontbranden.  
 H332 Schadelijk bij inademing.  
 H315 Veroorzaakt huidirritatie.  
 H360Df Kan het ongeboren kind schaden. Wordt ervan verdacht de vruchtbaarheid te schaden.

· **Veiligheidsaanbevelingen**

P210 Verwijderd houden van warmte, hete oppervlakken, vonken, open vuur en andere ontstekingsbronnen. Niet roken.  
 P223 Contact met water vermijden.  
 P231+P232 Inhoud onder inert gas gebruiken en bewaren. Tegen vocht beschermen.  
 P303+P361+P353 BIJ CONTACT MET DE HUID (of het haar): verontreinigde kleding onmiddellijk uittrekken. Huid met water afspoelen [of afdouchen].  
 P405 Achter slot bewaren.  
 P501 De inhoud en de verpakking verwerken volgens de plaatselijke/regionale/nationale/internationale voorschriften.

· **2.3 Andere gevaren**· **Resultaten van PBT- en zPzB-beoordeling**

· **PBT:** Niet bruikbaar.  
 · **zPzB:** Niet bruikbaar.

## RUBRIEK 3: Samenstelling en informatie over de bestanddelen

· **3.2 Chemische karakterisering: Mengsels**· **Beschrijving:** Mengsel van na elkaar aangevoerde stoffen met ongevaarlijke bijmengingen.· **Gevaarlijke inhoudstoffen:**

CAS: 1330-20-7	xyleen	>50-≤100%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 84-74-2	dibutylftalaat	>2,5-≤10%
EINECS: 201-557-4	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400	

· **SVHC**

84-74-2	dibutylftalaat
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· **Aanvullende gegevens:**

De woordelijke inhoud van de opgegeven aanwijzingen inzake de mogelijke gevaren is te vinden in hoofdstuk 16.

(Vervolg op blz. 3)



# Veiligheidsinformatieblad

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(Vervolg van blz. 2)

### RUBRIEK 4: Eerstehulpmaatregelen

#### · 4.1 Beschrijving van de eerstehulpmaatregelen

##### · Algemene informatie:

Het is mogelijk dat vergiftigingssymptomen pas na vele uren optreden. Om deze reden is medische controle gedurende minstens 48 uur na een ongeval noodzakelijk.

##### · Na het inademen:

Frisse lucht toedienen, eventueel beademing, warmte. Wanneer de klachten niet ophouden, een arts raadplegen. Bij bewusteloosheid ligging en vervoer in stabiele zijligging.

##### · Na huidcontact: Onmiddellijk met water en zeep afwassen en goed naspoelen.

##### · Na oogcontact: Ogen bij geopend ooglid meerdere minuten met stromend water spoelen

##### · Na inslikken: Onmiddellijk arts raadplegen.

#### · 4.2 Belangrijkste acute en uitgestelde symptomen en effecten

Geen verdere relevante informatie verkrijgbaar.

#### · 4.3 Vermelding van de vereiste onmiddellijke medische verzorging en speciale behandeling

Geen verdere relevante informatie verkrijgbaar.

### RUBRIEK 5: Brandbestrijdingsmaatregelen

#### · 5.1 Blusmiddelen

##### · Geschikte blusmiddelen: CO<sub>2</sub>, zand, bluspoeder. Geen water gebruiken.

##### · Blusmiddelen die uit veiligheidsoogpunt niet geschikt zijn: Krachtige waterstraal

#### · 5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt

Geen verdere relevante informatie verkrijgbaar.

#### · 5.3 Advies voor brandweerlieden

##### · Speciale beschermende kleding: Ademhalingstoestel aantrekken.

### RUBRIEK 6: Maatregelen bij het accidenteel vrijkomen van de stof of het mengsel

#### · 6.1 Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures

Beschermende kleding aantrekken. Niet beschermde personen op afstand houden.

#### · 6.2 Milieuvorzorgsmaatregelen:

Bij indringen in afvalwater of riolering moet de bevoegde instantie gewaarschuwd worden.

Niet in de riolering/het oppervlaktewater/het grondwater laten terechtkomen.

#### · 6.3 Insluifings- en reinigingsmethoden en -materiaal:

Met vloeistofbindend materiaal (zand, bergmeel, zuurbinder, universele binder, zaagmeel) opnemen.

Besmet materiaal zoals afval volgens punt 13 verwijderen.

Voor voldoende ventilatie zorgen.

Niet met water of waterachtige reinigingsmiddelen wegspoelen.

#### · 6.4 Verwijzing naar andere rubrieken

Informatie inzake veilig gebruik - zie hoofdstuk 7.

Informatie inzake persoonlijke beschermingsuitrusting - zie hoofdstuk 8.

Informatie inzake berging - zie hoofdstuk 13.

### RUBRIEK 7: Hantering en opslag

#### · 7.1 Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel

Voor goede ventilatie/afzuiging op de werkplaatsen zorgen.

Tanks voorzichtig openen en behandelen.

Aërosolvorming vermijden.

#### · Informatie m.b.t. brand- en ontploffingsgevaar:

Onststekingsbronnen op afstand houden - niet roken.

(Vervolg op blz. 4)

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(Vervolg van blz. 3)

Beschermen tegen hitte.  
Maatregelen treffen tegen ontlading van statische elektriciteit.  
Ademhalingstoestellen gereedhouden.

· **7.2 Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten**

· **Opslag:**

· **Eisen ten opzichte van opslagruimte en tanks:** Geen bijzondere eisen.

· **Informatie m.b.t. gezamenlijke opslag:** Niet noodzakelijk.

· **Verdere inlichtingen over eisen m.b.t. de opslag:**

Tanks ondoordringbaar gesloten houden.

Koel en droog bewaren in goed gesloten vaten.

Tegen hitte en directe zonnestralen beschermen.

· **7.3 Specifiek eindgebruik** Geen verdere relevante informatie verkrijgbaar.

### RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming

· **8.1 Controleparameters**

· **Aanvullende gegevens m.b.t. de inrichting van technische installaties:** Geen aanvullende gegevens. Zie 7.

· **Bestanddelen met grenswaarden die m.b.t. de werkruimte in acht genomen moeten worden:**

**1330-20-7 xyleen**

WG	Korte termijn waarde: 442 mg/m <sup>3</sup> , 100 ppm
	Lange termijn waarde: 210 mg/m <sup>3</sup> , 47 ppm
	technisch mengsel

· **Aanvullende gegevens:** Als basis dienden lijsten die bij opstelling geldig waren.

· **8.2 Maatregelen ter beheersing van blootstelling**

· **Persoonlijke beschermingsvoorzieningen:**

· **Algemene beschermings- en gezondheidsmaatregelen:**

Verwijderd houden van eet- en drinkwaren.

Verontreinigde kleding onmiddellijk uittrekken.

Vóór de pauze en aan het einde van werktijd handen wassen.

Beschermende kleding afzonderlijk bewaren.

Aanraking met de huid vermijden.

Aanraking met de ogen en de huid vermijden.

· **Ademhalingsbescherming:**

Bij korte of geringe belasting ademfiltertoestel; bij intensieve resp. langdurige expositie een van de omringende lucht onafhankelijk ademhalingsstoestel gebruiken.

· **Handbescherming:**



Veiligheidshandschoenen

Het handschoenmateriaal moet ondoorlatend en bestand zijn tegen het product / de stof / de bereiding.

Op grond van falende testen kan geen aanbeveling voor handschoenmateriaal voor het product / de bereiding / het chemicaliënmengsel afgegeven worden.

Kies handschoenmateriaal rekening houdend met de penetratietijden, de permeatiegraden en de degradatie.

· **Handschoenmateriaal**

De keuze van een geschikte handschoen is niet alleen afhankelijk van het materiaal, maar ook van andere kwaliteitskenmerken en verschilt van fabrikant tot fabrikant. Aangezien het product uit meerdere stoffen is samengesteld, is de duurzaamheid van de handschoenmaterialen niet vooraf berekenbaar en moet derhalve vóór het gebruik worden getest.

· **Doordringingstijd van het handschoenmateriaal**

De precieze penetratietijd kunt u te weten komen bij de handschoenfabrikant; houd er rekening mee.

(Vervolg op blz. 5)

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## · Oogbescherming:



Nauw aansluitende veiligheidsbril

## RUBRIEK 9: Fysische en chemische eigenschappen

## · 9.1 Informatie over fysische en chemische basiseigenschappen

## · Algemene gegevens

## · Voorkomen:

Vorm:	Vloeistof
Kleur:	Kleurloos
Geur:	Karakteristiek
Geurdrempelwaarde:	Niet bepaald.

· pH-waarde: Niet bepaald.

## · Toestandsverandering

Smelt-/vriespunt:	Niet bepaald.
Beginkookpunt en kooktraject:	144 °C

· Vlampunt: 28 °C

· Ontvlambaarheid (vast, gas): Niet bruikbaar.

· Ontstekingstemperatuur: 390 °C

· Ontledingstemperatuur: Niet bepaald.

· Zelfontbrandingstemperatuur: Spontaan ontvlambaar in lucht.

· Ontploffingseigenschappen: Het produkt is niet ontploffingsgevaarlijk, maar de vorming van ontploffingsgevaarlijke damp-/luchtmengsels is mogelijk.

## · Ontploffingsgrenzen:

Onderste:	0,1 Vol %
Bovenste:	7 Vol %

· Dampspanning bij 20 °C: 6,7 hPa

Dichtheid bij 20 °C:	1 g/cm <sup>3</sup>
Relatieve dichtheid	Niet bepaald.
Dampdichtheid	Niet bepaald.
Verdampingssnelheid	Niet bepaald.

## · Oplosbaarheid in/mengbaarheid met

Water: Niet resp. gering mengbaar.

· Verdelingscoëfficiënt: n-octanol/water: Niet bepaald.

## · Viscositeit

Dynamisch:	Niet bepaald.
Kinematisch:	Niet bepaald.

## · Oplosmiddelgehalte:

Organisch oplosmiddel:	90,0 %
VOC (EG)	90,00 %

(Vervolg op blz. 6)

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Gehalte aan vaste bestanddelen:	0,0 %
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· 9.2 Overige informatie	Geen verdere relevante informatie verkrijgbaar.
--------------------------	---

### RUBRIEK 10: Stabiliteit en reactiviteit

- **10.1 Reactiviteit** Geen verdere relevante informatie verkrijgbaar.
- **10.2 Chemische stabiliteit**
- **Thermische afbraak / te vermijden omstandigheden:** Geen afbraak bij gebruik volgens voorschrift.
- **10.3 Mogelijke gevaarlijke reacties** Contact met water maakt brandbare gassen vrij.
- **10.4 Te vermijden omstandigheden** Geen verdere relevante informatie verkrijgbaar.
- **10.5 Chemisch op elkaar inwerkende materialen:** Geen verdere relevante informatie verkrijgbaar.
- **10.6 Gevaarlijke ontledingsproducten:** Geen gevaarlijke ontbindingsproducten bekend.

### RUBRIEK 11: Toxicologische informatie

#### · 11.1 Informatie over toxicologische effecten

##### · Acute toxiciteit

Schadelijk bij inademing.

##### · Indelingsrelevantie LD/LC50-waarden:

###### 1330-20-7 xyleen

Oraal	LD50	4.300 mg/kg (rat)
-------	------	-------------------

Dermaal	LD50	2.000 mg/kg (rabbit)
---------	------	----------------------

###### 84-74-2 dibutylftalaat

Oraal	LD50	8.000 mg/kg (rat)
-------	------	-------------------

Dermaal	LD50	20.000 mg/kg (rabbit)
---------	------	-----------------------

##### · Primaire aandoening:

##### · Huidcorrosie/-irritatie

Veroorzaakt huidirritatie.

##### · Ernstig oogletsel/oogirritatie

 Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

##### · Sensibilisatie van de luchtwegen/de huid

Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

##### · Aanvullende toxicologische informatie:

##### · CMR-effecten (kankerverwekkendheid, mutageniteit en giftigheid voor de voortplanting)

##### · Mutageniteit in geslachtscellen

 Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

##### · Kankerverwekkendheid

 Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

##### · Giftigheid voor de voortplanting

Kan het ongeboren kind schaden. Wordt ervan verdacht de vruchtbaarheid te schaden.

##### · STOT bij eenmalige blootstelling

 Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

##### · STOT bij herhaalde blootstelling

 Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

##### · Gevaar bij inademing

 Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

### RUBRIEK 12: Ecologische informatie

#### · 12.1 Toxiciteit

##### · Aquatische toxiciteit:

 Geen verdere relevante informatie verkrijgbaar.

##### · 12.2 Persistentie en afbreekbaarheid

 Geen verdere relevante informatie verkrijgbaar.

##### · 12.3 Bioaccumulatie

 Geen verdere relevante informatie verkrijgbaar.

(Vervolg op blz. 7)

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(Vervolg van blz. 6)

- **12.4 Mobiliteit in de bodem** Geen verdere relevante informatie verkrijgbaar.
- **Ecotoxische effecten:**
- **Opmerking:** Giftig voor vissen.
- **Verdere ecologische informatie:**
- **Algemene informatie:**  
*Waterbezwaarlijkheid (NL): Z(1) niet afbreekbare stoffen met gevaarlijke eigenschappen voor mens en milieu (carcinogeniteit/mutageniteit/ reprotoxiciteit/bioaccumulerend vermogen/ toxiciteit of persistentie)*  
*Gevaar voor water klasse 2 (D) (Zelfclassificatie): gevaar voor water*  
*Niet lozen in grondwater, in oppervlaktewater of in riolering.*  
*Gevaar voor drinkwater zelfs bij uitlopen van geringe hoeveelheden in de ondergrond.*  
*In oppervlaktewater ook giftig voor vissen en plankton.*  
*giftig voor in het water levende organismen*
- **12.5 Resultaten van PBT- en zPzB-beoordeling**
- **PBT:** Niet bruikbaar.
- **zPzB:** Niet bruikbaar.
- **12.6 Andere schadelijke effecten** Geen verdere relevante informatie verkrijgbaar.

### RUBRIEK 13: Instructies voor verwijdering

- **13.1 Afvalverwerkingsmethoden**
- **Aanbeveling:** Mag niet tesamen met huisvuil gestort worden of in de riolering terechtkomen.
- **Niet gereinigde verpakkingen:**
- **Aanbeveling:** Afvalverwijdering volgens overheidsbepalingen.

### RUBRIEK 14: Informatie met betrekking tot het vervoer

- |  |   |
|--|---|
| <b>14.1 VN-nummer</b>  | UNI993  |
| <b>ADR, IMDG, IATA</b>   |   |
| <b>14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN</b> |   |
| <b>ADR</b>   | 1993 BRANDBARE VLOEISTOF, N.E.G. (TOLUEEN, XYLENEN)                                 |
| <b>IMDG, IATA</b>  | FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)   |
| <b>14.3 Transportgevarenklasse(n)</b>                                      |   |
| <b>ADR, IMDG, IATA</b>   |   |
|  |  |
| <b>klasse</b>  | 3 Brandbare vloeistoffen  |
| <b>Etiket</b>  | 3   |
| <b>14.4 Verpakkingsgroep:</b>  |   |
| <b>ADR, IMDG, IATA</b>   | III   |
| <b>14.5 Milieugevaren:</b>   | Produkt bevat milieugevaarlijke stoffen: dibutylftalaat                             |
| <b>14.6 Bijzondere voorzorgen voor de gebruiker</b>                        | Waarschuwing: Brandbare vloeistoffen  |
| <b>Gevaarsidentificatienummer (Kemler-getal):</b>                          | 33  |
| <b>EMS-nummer:</b>   | F-E,S-E   |

(Vervolg op blz. 8)

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(Vervolg van blz. 7)

· <b>Stowage Category</b>	A
· <b>14.7 Vervoer in bulk overeenkomstig bijlage II bij Marpol en de IBC-code</b>	Niet bruikbaar.
· <b>Transport/verdere gegevens:</b>	
· <b>ADR</b>	
· <b>Beperkte hoeveelheden (LQ)</b>	5L
· <b>Uitgezonderde hoeveelheden (EQ)</b>	Code: E1 Grootste netto hoeveelheid per binnenverpakking: 30 ml Grootste netto hoeveelheid per buitenverpakking: 1000 ml
· <b>Vervoerscategorie</b>	3
· <b>Tunnelbeperkingscode</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>VN "Model Regulation":</b>	UN 1993 BRANDBARE VLOEISTOF, N.E.G. (TOLUEEN, XYLENEN), 3, III

### RUBRIEK 15: Regelgeving

· <b>15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel</b>	
· <b>SZW-lijst van kankerverwekkende stoffen</b>	geen der bestanddelen staat op de lijst.
· <b>SZW-lijst van mutagene stoffen</b>	geen der bestanddelen staat op de lijst.
· <b>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid</b>	
84-74-2 dibutylftalaat	2
· <b>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling</b>	
1330-20-7 xyleen	2
84-74-2 dibutylftalaat	1B
· <b>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding</b>	
geen der bestanddelen staat op de lijst.	
· <b>Lijst Zeer Zorgwekkende Stoffen (ZZS)</b>	
84-74-2 dibutylftalaat	
· <b>Lijst van Potentieel Zeer Zorgwekkende Stoffen</b>	
geen der bestanddelen staat op de lijst.	
· <b>Richtlijn 2012/18/EU</b>	
· <b>Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I</b> geen der bestanddelen staat op de lijst.	
· <b>Seveso-categorie</b>	
O2 Stoffen en mengsels die in contact met water ontvlambare gassen ontwikkelen	
P5c ONTVLAMBARE VLOEISTOFFEN	
· <b>Drempelwaarde (ton) voor toepassing van voorschriften voor lagedrempelinrichtingen 100 t</b>	
· <b>Drempelwaarde (ton) voor toepassing van voorschriften voor hogedrempelinrichtingen 500 t</b>	

(Vervolg op blz. 9)



# Veiligheidsinformatieblad

## volgens 1907/2006/EG, Artikel 31

datum van de druk: 12.05.2022

Herziening van: 12.05.2022

**Handelsnaam: DPX Mounting Medium**

(Vervolg van blz. 8)

<b>· LIJST VAN AUTORISATIEPLICHTIGE STOFFEN (BIJLAGE XIV)</b>	
84-74-2	dibutylftalaat
Sunset date: a) 2015-02-21, b) 2024-12-14	

· **Verordening (EG) nr. 1907/2006 BIJLAGE XVII** Beperkingsvoorwaarden: 3, 30, 40, 51b

· **Richtlijn 2011/65/EU betreffende beperking van het gebruik van bepaalde gevaarlijke stoffen in elektrische en elektronische apparatuur - Bijlage II**

84-74-2	dibutylftalaat
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· **VERORDENING (EU) 2019/1148**

· **Bijlage I - PRECURSOREN VOOR EXPLOSIEVEN WAARVOOR EEN BEPERKING GELDT (Bovengrenswaarde ten behoeve van vergunningverlening op grond van artikel 5, lid 3)**

geen der bestanddelen staat op de lijst.

· **Bijlage II - PRECURSOREN VOOR EXPLOSIEVEN DIE MOETEN WORDEN GEMELD**

geen der bestanddelen staat op de lijst.

· **Verordening (EG) nr. 273/2004 inzake drugsprecursoren**

geen der bestanddelen staat op de lijst.

· **Verordening (EG) Nr. 111/2005 houdende voorschriften voor het toezicht op de handel tussen de Gemeenschap en derde landen in drugsprecursoren**

geen der bestanddelen staat op de lijst.

· **Nationale voorschriften:**

· **Gevaarklasse v. water:**

Waterbezwaarlijkheid (NL): Z(1) niet afbreekbare stoffen met gevaarlijke eigenschappen voor mens en milieu (carcinogeniteit/mutageniteit/ reprotoxiciteit/bioaccumulerend vermogen/ toxiciteit of persistentie)

· **Aanvullende voorschriften, beperkingen en verbodsverordeningen**

· **Zeer zorgwekkende stoffen (SVHC) volgens REACH, artikel 57**

84-74-2	dibutylftalaat
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· **15.2 Chemischeveiligheidsbeoordeling:** Een chemische veiligheidsbeoordeling is niet uitgevoerd.

### RUBRIEK 16: Overige informatie

Deze gegevens zijn gebaseerd op de huidige stand van onze kennis. Zij beschrijven echter geen garantie van produkteigenschappen en vestigen geen contractuele rechtsbetrekking.

· **Relevante zinnen**

H226 Ontvlambare vloeistof en damp.

H312 Schadelijk bij contact met de huid.

H315 Veroorzaakt huidirritatie.

H332 Schadelijk bij inademing.

H360Df Kan het ongeboren kind schaden. Wordt ervan verdacht de vruchtbaarheid te schaden.

H400 Zeer giftig voor in het water levende organismen.

· **Afkortingen en acroniemen:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

(Vervolg op blz. 10)

**Veiligheidsinformatieblad**  
volgens 1907/2006/EG, Artikel 31

datum van de druk: 12.05.2022

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(Vervolg van blz. 9)

*SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 3: Ontvlambare vloeistoffen – Categorie 3**Water-react. 1: Stoffen en mengsels die in contact met water ontvlambare gassen ontwikkelen – Categorie 1**Acute Tox. 4: Acute toxiciteit – Categorie 4**Skin Irrit. 2: Huidcorrosie/-irritatie – Categorie 2**Repr. 1B: Voortplantingstoxiciteit – Categorie 1B**Aquatic Acute 1: Gevaar voor het aquatisch milieu - acuut aquatisch gevaar – Categorie 1*

NL



# Fiche de données de sécurité

## selon 1907/2006/CE, Article 31

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### RUBRIQUE 1: Identification de la substance/du mélange et de la société/l'entreprise

- **1.1 Identificateur de produit**
- **Nom du produit:** DPX Mounting Medium
- **Code du produit:** 13510, 13512, EMS/SEA1300-00A
- **UFI:** Q631-M0G1-X00H-3WJ2
- **1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées**  
Pas d'autres informations importantes disponibles.
- **Emploi de la substance / de la préparation** Produits chimiques pour laboratoires
- **1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité**
- **Producteur/fournisseur:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: [info@emsdiasum.com](mailto:info@emsdiasum.com)  
[www.emsdiasum.com](http://www.emsdiasum.com)
- **Service chargé des renseignements:** Product safety department
- **1.4 Numéro d'appel d'urgence:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### RUBRIQUE 2: Identification des dangers

- **2.1 Classification de la substance ou du mélange**
- **Classification selon le règlement (CE) n° 1272/2008**



GHS02 flamme

Flam. Liq. 3 H226 Liquide et vapeurs inflammables.

Water-react. 1 H260 Dégage au contact de l'eau des gaz inflammables qui peuvent s'enflammer spontanément.



GHS08 danger pour la santé

Repr. 1B H360Df Peut nuire au fœtus. Susceptible de nuire à la fertilité.



GHS07

Acute Tox. 4 H332 Nocif par inhalation.

Skin Irrit. 2 H315 Provoque une irritation cutanée.

- **2.2 Éléments d'étiquetage**
- **Étiquetage selon le règlement (CE) n° 1272/2008** Le produit est classifié et étiqueté selon le règlement CLP.
- **Pictogrammes de danger**



GHS02



GHS07



GHS08

(suite page 2)

# Fiche de données de sécurité

## selon 1907/2006/CE, Article 31

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**Nom du produit: DPX Mounting Medium**

(suite de la page 1)

- **Mention d'avertissement** *Danger*
- **Composants dangereux déterminants pour l'étiquetage:**
  - xylène
  - phtalate de dibutyle
- **Mentions de danger**
  - H226 *Liquide et vapeurs inflammables.*
  - H260 *Dégage au contact de l'eau des gaz inflammables qui peuvent s'enflammer spontanément.*
  - H332 *Nocif par inhalation.*
  - H315 *Provoque une irritation cutanée.*
  - H360Df *Peut nuire au fœtus. Susceptible de nuire à la fertilité.*
- **Conseils de prudence**
  - P210 *Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'inflammation. Ne pas fumer.*
  - P223 *Éviter tout contact avec l'eau.*
  - P231+P232 *Manipuler et stocker le contenu sous gaz inerte. Protéger de l'humidité.*
  - P303+P361+P353 *EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau [ou se doucher].*
  - P405 *Garder sous clef.*
  - P501 *Éliminer le contenu/réceptacle conformément à la réglementation locale/régionale/nationale/internationale.*
- **2.3 Autres dangers**
- **Résultats des évaluations PBT et vPvB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.

### RUBRIQUE 3: Composition/informations sur les composants

- **3.2 Caractérisation chimique: Mélanges**
- **Description:** Mélange des substances mentionnées à la suite avec des additifs non dangereux.

- **Composants dangereux:**

CAS: 1330-20-7	xylène	>50-≤100%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 84-74-2	phtalate de dibutyle	>2,5-≤10%
EINECS: 201-557-4	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400	

- **SVHC**

84-74-2	phtalate de dibutyle
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- **Indications complémentaires:** Pour le libellé des phrases de risque citées, se référer au chapitre 16.

### RUBRIQUE 4: Premiers secours

- **4.1 Description des premiers secours**
- **Remarques générales:**
  - Les symptômes d'intoxication peuvent apparaître après de nombreuses heures seulement; une surveillance médicale est donc nécessaire au moins 48 heures après un accident.
- **Après inhalation:**
  - Donner de l'air frais. Assistance respiratoire si nécessaire. Tenir le malade au chaud. Si les troubles persistent, consulter un médecin.
  - En cas d'inconscience, coucher et transporter la personne en position latérale stable.
- **Après contact avec la peau:** Laver immédiatement à l'eau et au savon et bien rincer.

(suite page 3)

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- **Après contact avec les yeux:**  
Rincer les yeux, sous l'eau courante, pendant plusieurs minutes, en écartant bien les paupières.
- **Après ingestion:** Consulter immédiatement un médecin.
- **4.2 Principaux symptômes et effets, aigus et différés** Pas d'autres informations importantes disponibles.
- **4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires**  
Pas d'autres informations importantes disponibles.

### RUBRIQUE 5: Mesures de lutte contre l'incendie

- **5.1 Moyens d'extinction**
- **Moyens d'extinction:** CO2, sable, poudre d'extinction. Ne pas utiliser d'eau.
- **Produits extincteurs déconseillés pour des raisons de sécurité:** Jet d'eau à grand débit
- **5.2 Dangers particuliers résultant de la substance ou du mélange**  
Pas d'autres informations importantes disponibles.
- **5.3 Conseils aux pompiers**
- **Équipement spécial de sécurité:** Porter un appareil de protection respiratoire.

### RUBRIQUE 6: Mesures à prendre en cas de dispersion accidentelle

- **6.1 Précautions individuelles, équipement de protection et procédures d'urgence**  
Porter un équipement de sécurité. Eloigner les personnes non protégées.
- **6.2 Précautions pour la protection de l'environnement:**  
En cas de pénétration dans les eaux ou les égouts, avertir les autorités compétentes.  
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.
- **6.3 Méthodes et matériel de confinement et de nettoyage:**  
Recueillir les liquides à l'aide d'un produit absorbant (sable, kieselguhr, neutralisant d'acide, liant universel, sciure).  
Evacuer les matériaux contaminés en tant que déchets conformément au point 13.  
Assurer une aération suffisante.  
Ne pas rincer à l'eau ou aux produits nettoyants aqueux.
- **6.4 Référence à d'autres rubriques**  
Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.  
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.  
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

### RUBRIQUE 7: Manipulation et stockage

- **7.1 Précautions à prendre pour une manipulation sans danger**  
Veiller à une bonne ventilation/aspiration du poste de travail.  
Ouvrir et manipuler les récipients avec précaution.  
Eviter la formation d'aérosols.
- **Préventions des incendies et des explosions:**  
Tenir à l'abri des sources d'inflammation - ne pas fumer.  
Tenir à l'abri de la chaleur.  
Prendre des mesures contre les charges électrostatiques.  
Tenir des appareils de protection respiratoire prêts.
- **7.2 Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**
- **Stockage:**
- **Exigences concernant les lieux et conteneurs de stockage:** Aucune exigence particulière.
- **Indications concernant le stockage commun:** Pas nécessaire.

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**Nom du produit: DPX Mounting Medium**

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- **Autres indications sur les conditions de stockage:**  
Tenir les emballages hermétiquement fermés.  
Stocker au frais et au sec dans des fûts bien fermés.  
Protéger de la forte chaleur et du rayonnement direct du soleil.
- **7.3 Utilisation(s) finale(s) particulière(s)** Pas d'autres informations importantes disponibles.

### RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

- **8.1 Paramètres de contrôle**
- **Indications complémentaires pour l'agencement des installations techniques:**  
Sans autre indication, voir point 7.

- **Composants présentant des valeurs-seuil à surveiller par poste de travail:**

#### 1330-20-7 xylène

VLEP	Valeur momentanée: 442 mg/m <sup>3</sup> , 100 ppm Valeur à long terme: 221 mg/m <sup>3</sup> , 50 ppm risque de pénétration percutanée
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#### 84-74-2 phtalate de dibutyle

VLEP	Valeur à long terme: 5 mg/m <sup>3</sup>
	RIB

- **Remarques supplémentaires:**  
Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.
- **8.2 Contrôles de l'exposition**
- **Équipement de protection individuel:**
- **Mesures générales de protection et d'hygiène:**  
Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.  
Retirer immédiatement les vêtements souillés ou humectés.  
Se laver les mains avant les pauses et en fin de travail.  
Conserver à part les vêtements de protection.  
Éviter tout contact avec la peau.  
Éviter tout contact avec les yeux et avec la peau.
- **Protection respiratoire:**  
En cas d'exposition faible ou de courte durée, utiliser un filtre respiratoire; en cas d'exposition intense ou durable, utiliser un appareil de respiration indépendant de l'air ambiant.
- **Protection des mains:**



Gants de protection

Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.  
À cause du manque de tests, aucune recommandation pour un matériau de gants pour le produit / la préparation / le mélange de produits chimiques ne peut être donnée.

Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation.

- **Matériau des gants**  
Le choix de gants appropriés dépend non seulement du matériau, mais aussi d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre. Puisque le produit représente une préparation composée de plusieurs substances, la résistance des matériaux des gants ne peut pas être calculée à l'avance et doit, alors, être contrôlée avant l'utilisation.
- **Temps de pénétration du matériau des gants**  
Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter.

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· **Protection des yeux:**

Lunettes de protection hermétiques

### RUBRIQUE 9: Propriétés physiques et chimiques

· **9.1 Informations sur les propriétés physiques et chimiques essentielles**· **Indications générales**· **Aspect:**

· <b>Forme:</b>	Liquide
· <b>Couleur:</b>	Incolore
· <b>Odeur:</b>	Caractéristique
· <b>Seuil olfactif:</b>	Non déterminé.

· **valeur du pH:** Non déterminé.· **Changement d'état**

· <b>Point de fusion/point de congélation:</b>	Non déterminé.
· <b>Point initial d'ébullition et intervalle d'ébullition:</b>	144 °C

· **Point d'éclair** 28 °C· **Inflammabilité (solide, gaz):** Non applicable.· **Température d'inflammation:** 390 °C· **Température de décomposition:** Non déterminé.· **Température d'auto-inflammabilité:** Spontanément inflammable à l'air.· **Propriétés explosives:** Le produit n'est pas explosif; toutefois, des mélanges explosifs vapeur-air peuvent se former.· **Limites d'explosion:**

· <b>Inférieure:</b>	0,1 Vol %
· <b>Supérieure:</b>	7 Vol %

· **Pression de vapeur à 20 °C:** 6,7 hPa

· <b>Densité à 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Densité relative</b>	Non déterminé.
· <b>Densité de vapeur:</b>	Non déterminé.
· <b>Taux d'évaporation:</b>	Non déterminé.

· **Solubilité dans/miscibilité avec l'eau:**

Pas ou peu miscible

· **Coefficient de partage: n-octanol/eau:** Non déterminé.· **Viscosité:**

· <b>Dynamique:</b>	Non déterminé.
· <b>Cinématique:</b>	Non déterminé.

· **Teneur en solvants:**

· <b>Solvants organiques:</b>	90,0 %
· <b>VOC (CE)</b>	90,00 %

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**Teneur en substances solides:** 0,0 %

· **9.2 Autres informations** Pas d'autres informations importantes disponibles.

### RUBRIQUE 10: Stabilité et réactivité

- **10.1 Réactivité** Pas d'autres informations importantes disponibles.
- **10.2 Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** Pas de décomposition en cas d'usage conforme.
- **10.3 Possibilité de réactions dangereuses** Un contact avec l'eau provoque la libération de gaz combustibles.
- **10.4 Conditions à éviter** Pas d'autres informations importantes disponibles.
- **10.5 Matières incompatibles:** Pas d'autres informations importantes disponibles.
- **10.6 Produits de décomposition dangereux:** Pas de produits de décomposition dangereux connus

### RUBRIQUE 11: Informations toxicologiques

· **11.1 Informations sur les effets toxicologiques**

· **Toxicité aiguë**  
Nocif par inhalation.

· **Valeurs LD/LC50 déterminantes pour la classification:**

**1330-20-7 xylène**

Oral	LD50	4.300 mg/kg (rat)
Dermique	LD50	2.000 mg/kg (lapin)

**84-74-2 phtalate de dibutyle**

Oral	LD50	8.000 mg/kg (rat)
Dermique	LD50	20.000 mg/kg (lapin)

- **Effet primaire d'irritation:**
- **Corrosion cutanée/irritation cutanée**  
Provoque une irritation cutanée.
- **Lésions oculaires graves/irritation oculaire**  
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Sensibilisation respiratoire ou cutanée**  
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Indications toxicologiques complémentaires:**
- **Effets CMR (cancérogène, mutagène et toxique pour la reproduction)**
- **Mutagenicité sur les cellules germinales**  
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Cancérogénicité** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité pour la reproduction**  
Peut nuire au fœtus. Susceptible de nuire à la fertilité.
- **Toxicité spécifique pour certains organes cibles - exposition unique**  
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité spécifique pour certains organes cibles - exposition répétée**  
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Danger par aspiration** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

FR

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### RUBRIQUE 12: Informations écologiques

- **12.1 Toxicité**
- **Toxicité aquatique:** Pas d'autres informations importantes disponibles.
- **12.2 Persistance et dégradabilité** Pas d'autres informations importantes disponibles.
- **12.3 Potentiel de bioaccumulation** Pas d'autres informations importantes disponibles.
- **12.4 Mobilité dans le sol** Pas d'autres informations importantes disponibles.
- **Effets écotoxiques:**
- **Remarque:** Toxique chez les poissons.
- **Autres indications écologiques:**
- **Indications générales:**  
 Catégorie de pollution des eaux 2 (D) (Classification propre): polluant  
 Ne pas laisser pénétrer dans la nappe phréatique, les eaux ou les canalisations.  
 Danger pour l'eau potable dès fuite d'une petite quantité dans le sous-sol.  
 Dans les eaux, également toxique pour les poissons et le plancton.  
 Toxique pour les organismes aquatiques.
- **12.5 Résultats des évaluations PBT et VPVB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.
- **12.6 Autres effets néfastes** Pas d'autres informations importantes disponibles.

### RUBRIQUE 13: Considérations relatives à l'élimination

- **13.1 Méthodes de traitement des déchets**
- **Recommandation:** Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.
- **Emballages non nettoyés:**
- **Recommandation:** Evacuation conformément aux prescriptions légales.

### RUBRIQUE 14: Informations relatives au transport

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>14.1 Numéro ONU</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>  | <p style="text-align: center;">UN1993</p>   |
| <ul style="list-style-type: none"> <li>· <b>14.2 Désignation officielle de transport de l'ONU</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul> | <p style="text-align: center;">1993 LIQUIDE INFLAMMABLE, N.S.A. (TOLUÈNE, XYLÈNES)</p> <p style="text-align: center;">FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)</p>   |
| <ul style="list-style-type: none"> <li>· <b>14.3 Classe(s) de danger pour le transport</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>                         | <div style="text-align: center;">  </div> <p style="text-align: center;">3 Liquides inflammables.</p> <p style="text-align: center;">3</p> |
| <ul style="list-style-type: none"> <li>· <b>14.4 Groupe d'emballage</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>  | <p style="text-align: center;">III</p>  |

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# Fiche de données de sécurité

## selon 1907/2006/CE, Article 31

Date d'impression : 12.05.2022

Révision: 12.05.2022

Nom du produit: **DPX Mounting Medium**

(suite de la page 7)

· <b>14.5 Dangers pour l'environnement:</b>	Le produit contient matières dangereuses pour l'environnement : phtalate de dibutyle
· <b>14.6 Précautions particulières à prendre par l'utilisateur</b>	Attention: Liquides inflammables.
· <b>Numéro d'identification du danger (Indice Kemler):</b>	33
· <b>No EMS:</b>	F-E,S-E
· <b>Stowage Category</b>	A
· <b>14.7 Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC</b>	Non applicable.
· <b>Indications complémentaires de transport:</b>	
· <b>ADR</b>	
· <b>Quantités limitées (LQ)</b>	5L
· <b>Quantités exceptées (EQ)</b>	Code: E1 Quantité maximale nette par emballage intérieur: 30 ml Quantité maximale nette par emballage extérieur: 1000 ml
· <b>Catégorie de transport</b>	3
· <b>Code de restriction en tunnels</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>"Règlement type" de l'ONU:</b>	UN 1993 LIQUIDE INFLAMMABLE, N.S.A. (TOLUÈNE, XYLÈNES), 3, III

### RUBRIQUE 15: Informations relatives à la réglementation

- **15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**
- **Directive 2012/18/UE**
- **Substances dangereuses désignées - ANNEXE I** Aucun des composants n'est compris.
- **Catégorie SEVESO**  
O2 Substances et mélanges qui, au contact de l'eau, dégagent des gaz inflammables  
P5c LIQUIDES INFLAMMABLES
- **Quantité seuil (tonnes) pour l'application des exigences relatives au seuil bas** 100 t
- **Quantité seuil (tonnes) pour l'application des exigences relatives au seuil haut** 500 t

#### · LISTE DES SUBSTANCES SOUMISES À AUTORISATION (ANNEXE XIV)

84-74-2	phtalate de dibutyle	Sunset date: a) 2015-02-21, b) 2024-12-14
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- **RÈGLEMENT (CE) N° 1907/2006 ANNEXE XVII** Conditions de limitation: 3, 30, 40, 51b

- **Directive 2011/65/UE relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques – Annexe II**

84-74-2	phtalate de dibutyle
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**Nom du produit: DPX Mounting Medium**

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· **RÈGLEMENT (UE) 2019/1148**

· **Annexe I - PRÉCURSEURS D'EXPLOSIFS FAISANT L'OBJET DE RESTRICTIONS (Valeur limite maximale aux fins de l'octroi d'une licence en vertu de l'article 5, paragraphe 3)**

Aucun des composants n'est compris.

· **Annexe II - PRÉCURSEURS D'EXPLOSIFS DEVANT FAIRE L'OBJET D'UN SIGNALLEMENT**

Aucun des composants n'est compris.

· **Règlement (CE) n° 273/2004 relatif aux précurseurs de drogues**

Aucun des composants n'est compris.

· **Règlement (CE) n° 111/2005 fixant des règles pour la surveillance du commerce des précurseurs des drogues entre la Communauté et les pays tiers**

Aucun des composants n'est compris.

· **Prescriptions nationales:**

· **Autres prescriptions, restrictions et règlements d'interdiction**

· **Substances extrêmement préoccupantes (SVHC) selon REACH, article 57**

84-74-2 | phtalate de dibutyle

· **15.2 Évaluation de la sécurité chimique:** Une évaluation de la sécurité chimique n'a pas été réalisée.

### RUBRIQUE 16: Autres informations

Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

· **Phrases importantes**

H226 Liquide et vapeurs inflammables.

H312 Nocif par contact cutané.

H315 Provoque une irritation cutanée.

H332 Nocif par inhalation.

H360Df Peut nuire au fœtus. Susceptible de nuire à la fertilité.

H400 Très toxique pour les organismes aquatiques.

· **Acronymes et abréviations:**

ADR: Accord relatif au transport international des marchandises dangereuses par route

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Liquides inflammables – Catégorie 3

Water-react. 1: Substances et mélanges qui, au contact de l'eau, dégagent des gaz inflammables – Catégorie 1

Acute Tox. 4: Toxicité aiguë – Catégorie 4

Skin Irrit. 2: Corrosion cutanée/irritation cutanée – Catégorie 2

Repr. 1B: Toxicité pour la reproduction – Catégorie 1B

Aquatic Acute 1: Dangers pour le milieu aquatique- toxicité aiguë pour le milieu aquatique – Catégorie 1

# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

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### ABSCHNITT 1: Bezeichnung des Stoffs beziehungsweise des Gemischs und des Unternehmens

- **1.1 Produktidentifikator**
- **Handelsname:** DPX Mounting Medium
- **Artikelnummer:** 13510, 13512, EMS/SEA1300-00A
- **UFI:** Q631-M0G1-X00H-3WJ2
- **1.2 Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird**  
Keine weiteren relevanten Informationen verfügbar.
- **Verwendung des Stoffes / des Gemisches** Laborchemikalien
- **1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt**
- **Hersteller/Lieferant:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: [info@emsdiasum.com](mailto:info@emsdiasum.com)  
[www.emsdiasum.com](http://www.emsdiasum.com)  
  
Science Services GmbH  
Unterhachinger Str. 75  
81737 München Germany  
  
Tel: +49(0)89 18 93 668-0  
[safety@scienceservices.de](mailto:safety@scienceservices.de)  
  
Deutschland: +49 (0)89 19240, 24h Giftnotruf Munchen, [www.toxinfo.org](http://www.toxinfo.org)  
Osterreich: +43 1406 43 43, Gesundheit Osterreich GmbH, 24 h
- **Auskunftgebender Bereich:** Product safety department
- **1.4 Notrufnummer:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### ABSCHNITT 2: Mögliche Gefahren

- **2.1 Einstufung des Stoffs oder Gemischs**
- **Einstufung gemäß Verordnung (EG) Nr. 1272/2008**



GHS02 Flamme

Flam. Liq. 3 H226 Flüssigkeit und Dampf entzündbar.

Water-react. 1 H260 In Berührung mit Wasser entstehen entzündbare Gase, die sich spontan entzünden können.



GHS08 Gesundheitsgefahr

Repr. 1B H360Df Kann das Kind im Mutterleib schädigen. Kann vermutlich die Fruchtbarkeit beeinträchtigen.

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GHS07

Acute Tox. 4 H332 Gesundheitsschädlich bei Einatmen.

Skin Irrit. 2 H315 Verursacht Hautreizungen.

### · 2.2 Kennzeichnungselemente

#### · Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008

Das Produkt ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.

#### · Gefahrenpiktogramme



GHS02

GHS07

GHS08

#### · Signalwort Gefahr

#### · Gefahrbestimmende Komponenten zur Etikettierung:

Xylol

Dibutylphthalat

#### · Gefahrenhinweise

H226 Flüssigkeit und Dampf entzündbar.

H260 In Berührung mit Wasser entstehen entzündbare Gase, die sich spontan entzünden können.

H332 Gesundheitsschädlich bei Einatmen.

H315 Verursacht Hautreizungen.

H360Df Kann das Kind im Mutterleib schädigen. Kann vermutlich die Fruchtbarkeit beeinträchtigen.

#### · Sicherheitshinweise

P210 Von Hitze, heißen Oberflächen, Funken, offenen Flammen und anderen Zündquellen fernhalten. Nicht rauchen.

P223 Keinen Kontakt mit Wasser zulassen.

P231+P232 Inhalt unter inertem Gas handhaben und aufbewahren. Vor Feuchtigkeit schützen.

P303+P361+P353 BEI BERÜHRUNG MIT DER HAUT (oder dem Haar): Alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen [oder duschen].

P405 Unter Verschluss aufbewahren.

P501 Entsorgung des Inhalts / des Behälters gemäß den örtlichen / regionalen / nationalen / internationalen Vorschriften.

#### · Zusätzliche Angaben:

Nur für gewerbliche Anwender.

#### · 2.3 Sonstige Gefahren

#### · Ergebnisse der PBT- und vPvB-Beurteilung

· **PBT:** Nicht anwendbar.· **vPvB:** Nicht anwendbar.

## ABSCHNITT 3: Zusammensetzung/Angaben zu Bestandteilen

### · 3.2 Chemische Charakterisierung: Gemische

· **Beschreibung:** Gemisch aus nachfolgend angeführten Stoffen mit ungefährlichen Beimengungen.

#### · Gefährliche Inhaltsstoffe:

CAS: 1330-20-7	Xylol	>50-≤100%
EINECS: 215-535-7	Flam. Liq. 3, H226;  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	

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CAS: 84-74-2	Dibutylphthalat	>2,5-≤10%
EINECS: 201-557-4	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400	

· **SVHC**

84-74-2 Dibutylphthalat

· **Zusätzliche Hinweise:** Der Wortlaut der angeführten Gefahrenhinweise ist dem Abschnitt 16 zu entnehmen.

### ABSCHNITT 4: Erste-Hilfe-Maßnahmen

#### · 4.1 Beschreibung der Erste-Hilfe-Maßnahmen

##### · **Allgemeine Hinweise:**

Vergiftungssymptome können erst nach vielen Stunden auftreten, deshalb ärztliche Überwachung mindestens 48 Stunden nach einem Unfall.

##### · **Nach Einatmen:**

Frischlufzufuhr, gegebenenfalls Atemspende, Wärme. Bei anhaltenden Beschwerden Arzt konsultieren.  
Bei Bewusstlosigkeit Lagerung und Transport in stabiler Seitenlage.

##### · **Nach Hautkontakt:** Sofort mit Wasser und Seife abwaschen und gut nachspülen.

##### · **Nach Augenkontakt:** Augen bei geöffnetem Lidspalt mehrere Minuten mit fließendem Wasser spülen.

##### · **Nach Verschlucken:** Sofort Arzt aufsuchen.

#### · 4.2 Wichtigste akute und verzögert auftretende Symptome und Wirkungen

Keine weiteren relevanten Informationen verfügbar.

#### · 4.3 Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

Keine weiteren relevanten Informationen verfügbar.

### ABSCHNITT 5: Maßnahmen zur Brandbekämpfung

#### · 5.1 Löschmittel

· **Geeignete Löschmittel:** CO<sub>2</sub>, Sand, Löschpulver. Kein Wasser verwenden.

· **Aus Sicherheitsgründen ungeeignete Löschmittel:** Wasser im Vollstrahl

#### · 5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren

Keine weiteren relevanten Informationen verfügbar.

#### · 5.3 Hinweise für die Brandbekämpfung

· **Besondere Schutzausrüstung:** Atemschutzgerät anlegen.

### ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

· **6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren**  
Schutzausrüstung tragen. Ungeschützte Personen fernhalten.

#### · 6.2 Umweltschutzmaßnahmen:

Bei Eindringen in Gewässer oder Kanalisation zuständige Behörden benachrichtigen.

Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.

#### · 6.3 Methoden und Material für Rückhaltung und Reinigung:

Mit flüssigkeitsbindendem Material (Sand, Kieselgur, Säurebinder, Universalbinder, Sägemehl) aufnehmen.

Kontaminiertes Material als Abfall nach Abschnitt 13 entsorgen.

Für ausreichende Lüftung sorgen.

Nicht mit Wasser oder wäßrigen Reinigungsmitteln wegspülen.

#### · 6.4 Verweis auf andere Abschnitte

Informationen zur sicheren Handhabung siehe Abschnitt 7.

Informationen zur persönlichen Schutzausrüstung siehe Abschnitt 8.

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Informationen zur Entsorgung siehe Abschnitt 13.

### ABSCHNITT 7: Handhabung und Lagerung

- **7.1 Schutzmaßnahmen zur sicheren Handhabung**  
Für gute Belüftung/Absaugung am Arbeitsplatz sorgen.  
Behälter mit Vorsicht öffnen und handhaben.  
Aerosolbildung vermeiden.
- **Hinweise zum Brand- und Explosionsschutz:**  
Zündquellen fernhalten - nicht rauchen.  
Vor Hitze schützen.  
Maßnahmen gegen elektrostatische Aufladung treffen.  
Atemschutzgeräte bereithalten.
- **7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten**
- **Lagerung:**
- **Anforderung an Lagerräume und Behälter:** Keine besonderen Anforderungen.
- **Zusammenlagerungshinweise:** Nicht erforderlich.
- **Weitere Angaben zu den Lagerbedingungen:**  
Behälter dicht geschlossen halten.  
In gut verschlossenen Gebinden kühl und trocken lagern.  
Vor Hitze und direkter Sonnenbestrahlung schützen.
- **Lagerklasse:**
- **Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV):**  
Stoffe oder Gemische, die bei Berührung mit Wasser entzündbare Gase abgeben
- **7.3 Spezifische Endanwendungen** Keine weiteren relevanten Informationen verfügbar.

### ABSCHNITT 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

- **8.1 Zu überwachende Parameter**
- **Zusätzliche Hinweise zur Gestaltung technischer Anlagen:** Keine weiteren Angaben, siehe Abschnitt 7.

- **Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:**

**1330-20-7 Xylol**

AGW	Langzeitwert: 220 mg/m <sup>3</sup> , 50 ml/m <sup>3</sup> 2(II);DFG, EU, H
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**84-74-2 Dibutylphthalat**

AGW	Langzeitwert: 0,58 mg/m <sup>3</sup> , 0,05 ml/m <sup>3</sup> 2(I);DFG, Y, 11
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- **Bestandteile mit biologischen Grenzwerten:**

**1330-20-7 Xylol**

BGW	1,5 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Xylol
	2000 mg/L Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Methylhippur-(Tolur-)Säure (alle Isomere)

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- **Zusätzliche Hinweise:** Als Grundlage dienen die bei der Erstellung gültigen Listen.
- **8.2 Begrenzung und Überwachung der Exposition**
- **Persönliche Schutzausrüstung:**
- **Allgemeine Schutz- und Hygienemaßnahmen:**  
 Von Nahrungsmitteln, Getränken und Futtermitteln fernhalten.  
 Beschmutzte, getränkte Kleidung sofort ausziehen.  
 Vor den Pausen und bei Arbeitsende Hände waschen.  
 Getrennte Aufbewahrung der Schutzkleidung.  
 Berührung mit der Haut vermeiden.  
 Berührung mit den Augen und der Haut vermeiden.
- **Atemschutz:**  
 Bei kurzzeitiger oder geringer Belastung Atemfiltergerät; bei intensiver bzw. längerer Exposition umluftunabhängiges Atemschutzgerät verwenden.
- **Handschutz:**



Schutzhandschuhe

Das Handschuhmaterial muss undurchlässig und beständig gegen das Produkt / den Stoff / die Zubereitung sein. Aufgrund fehlender Tests kann keine Empfehlung zum Handschuhmaterial für das Produkt / die Zubereitung / das Chemikaliengemisch abgegeben werden.

Auswahl des Handschuhmaterials unter Beachtung der Durchbruchzeiten, Permeationsraten und der Degradation.

- **Handschuhmaterial**  
 Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und von Hersteller zu Hersteller unterschiedlich. Da das Produkt eine Zubereitung aus mehreren Stoffen darstellt, ist die Beständigkeit von Handschuhmaterialien nicht vorausberechenbar und muß deshalb vor dem Einsatz überprüft werden.
- **Durchdringungszeit des Handschuhmaterials**  
 Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.
- **Augenschutz:**



Dichtschließende Schutzbrille

### ABSCHNITT 9: Physikalische und chemische Eigenschaften

- **9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften**
- **Allgemeine Angaben**
- **Aussehen:**

<b>Form:</b>	Flüssigkeit
<b>Farbe:</b>	Farblos
- **Geruch:** Charakteristisch
- **Geruchsschwelle:** Nicht bestimmt.
- **pH-Wert:** Nicht bestimmt.
- **Zustandsänderung**

<b>Schmelzpunkt/Gefrierpunkt:</b>	Nicht bestimmt.
<b>Siedebeginn und Siedebereich:</b>	144 °C

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· <b>Flammpunkt:</b>	28 °C
· <b>Entzündbarkeit (fest, gasförmig):</b>	Nicht anwendbar.
· <b>Zündtemperatur:</b>	390 °C
· <b>Zersetzungstemperatur:</b>	Nicht bestimmt.
· <b>Selbstentzündungstemperatur:</b>	Selbstentzündlich an der Luft.
· <b>Explosive Eigenschaften:</b>	Das Produkt ist nicht explosionsgefährlich, jedoch ist die Bildung explosionsgefährlicher Dampf-/Luftgemische möglich.
· <b>Explosionsgrenzen:</b>	
<b>Untere:</b>	0,1 Vol %
<b>Obere:</b>	7 Vol %
· <b>Dampfdruck bei 20 °C:</b>	6,7 hPa
· <b>Dichte bei 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Relative Dichte</b>	Nicht bestimmt.
· <b>Dampfdichte</b>	Nicht bestimmt.
· <b>Verdampfungsgeschwindigkeit</b>	Nicht bestimmt.
· <b>Löslichkeit in / Mischbarkeit mit Wasser:</b>	Nicht bzw. wenig mischbar.
· <b>Verteilungskoeffizient: n-Octanol/Wasser:</b>	Nicht bestimmt.
· <b>Viskosität:</b>	
<b>Dynamisch:</b>	Nicht bestimmt.
<b>Kinematisch:</b>	Nicht bestimmt.
· <b>Lösemittelgehalt:</b>	
<b>Organische Lösemittel:</b>	90,0 %
<b>VOC (EU)</b>	90,00 %
· <b>Festkörpergehalt:</b>	0,0 %
· <b>9.2 Sonstige Angaben</b>	Keine weiteren relevanten Informationen verfügbar.

### ABSCHNITT 10: Stabilität und Reaktivität

- **10.1 Reaktivität** Keine weiteren relevanten Informationen verfügbar.
- **10.2 Chemische Stabilität**
- **Thermische Zersetzung / zu vermeidende Bedingungen:**  
Keine Zersetzung bei bestimmungsgemäßer Verwendung.
- **10.3 Möglichkeit gefährlicher Reaktionen** Kontakt mit Wasser setzt brennbare Gase frei.
- **10.4 Zu vermeidende Bedingungen** Keine weiteren relevanten Informationen verfügbar.
- **10.5 Unverträgliche Materialien:** Keine weiteren relevanten Informationen verfügbar.
- **10.6 Gefährliche Zersetzungsprodukte:** Keine gefährlichen Zersetzungsprodukte bekannt.

### ABSCHNITT 11: Toxikologische Angaben

- **11.1 Angaben zu toxikologischen Wirkungen**
- **Akute Toxizität**  
Gesundheitsschädlich bei Einatmen.

(Fortsetzung auf Seite 7)



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(Fortsetzung von Seite 6)

**· Einstufungsrelevante LD/LC50-Werte:**
**1330-20-7 Xylol**

Oral	LD50	4.300 mg/kg (rat)
Dermal	LD50	2.000 mg/kg (rabbit)

**84-74-2 Dibutylphthalat**

Oral	LD50	8.000 mg/kg (rat)
Dermal	LD50	20.000 mg/kg (rabbit)

**· Primäre Reizwirkung:**
**· Ätz-/Reizwirkung auf die Haut**
*Verursacht Hautreizungen.*
**· Schwere Augenschädigung/-reizung** *Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.*
**· Sensibilisierung der Atemwege/Haut** *Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.*
**· Zusätzliche toxikologische Hinweise:**
**· CMR-Wirkungen (krebserzeugende, erbgutverändernde und fortpflanzungsgefährdende Wirkung)**
**· Keimzell-Mutagenität** *Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.*
**· Karzinogenität** *Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.*
**· Reproduktionstoxizität**
*Kann das Kind im Mutterleib schädigen. Kann vermutlich die Fruchtbarkeit beeinträchtigen.*
**· Spezifische Zielorgan-Toxizität bei einmaliger Exposition**
*Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.*
**· Spezifische Zielorgan-Toxizität bei wiederholter Exposition**
*Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.*
**· Aspirationsgefahr** *Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.*

### ABSCHNITT 12: Umweltbezogene Angaben

**· 12.1 Toxizität**
**· Aquatische Toxizität:** *Keine weiteren relevanten Informationen verfügbar.*
**· 12.2 Persistenz und Abbaubarkeit** *Keine weiteren relevanten Informationen verfügbar.*
**· 12.3 Bioakkumulationspotenzial** *Keine weiteren relevanten Informationen verfügbar.*
**· 12.4 Mobilität im Boden** *Keine weiteren relevanten Informationen verfügbar.*
**· Ökotoxische Wirkungen:**
**· Bemerkung:** *Giftig für Fische.*
**· Weitere ökologische Hinweise:**
**· Allgemeine Hinweise:**
*Wassergefährdungsklasse 2 (Selbsteinstufung): deutlich wassergefährdend*
*Nicht in das Grundwasser, in Gewässer oder in die Kanalisation gelangen lassen.*
*Trinkwassergefährdung bereits beim Auslaufen geringer Mengen in den Untergrund.*
*In Gewässern auch giftig für Fische und Plankton.*
*giftig für Wasserorganismen*
**· 12.5 Ergebnisse der PBT- und vPvB-Beurteilung**
**· PBT:** *Nicht anwendbar.*
**· vPvB:** *Nicht anwendbar.*
**· 12.6 Andere schädliche Wirkungen** *Keine weiteren relevanten Informationen verfügbar.*

### ABSCHNITT 13: Hinweise zur Entsorgung

**· 13.1 Verfahren der Abfallbehandlung**
**· Empfehlung:** *Darf nicht zusammen mit Hausmüll entsorgt werden. Nicht in die Kanalisation gelangen lassen.*

(Fortsetzung auf Seite 8)



# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

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- Ungereinigte Verpackungen:
- Empfehlung: Entsorgung gemäß den behördlichen Vorschriften.

### ABSCHNITT 14: Angaben zum Transport

<ul style="list-style-type: none"> <li>· 14.1 UN-Nummer</li> <li>· ADR, IMDG, IATA</li> </ul>	UNI993
<ul style="list-style-type: none"> <li>· 14.2 Ordnungsgemäße UN-Versandbezeichnung</li> <li>· ADR</li> <li>· IMDG, IATA</li> </ul>	1993 ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (TOLUEN, XYLENE) FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
<ul style="list-style-type: none"> <li>· 14.3 Transportgefahrenklassen</li> <li>· ADR, IMDG, IATA</li> </ul>	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> <li>· Klasse</li> <li>· Gefahrezettel</li> </ul>	3 Entzündbare flüssige Stoffe 3
<ul style="list-style-type: none"> <li>· 14.4 Verpackungsgruppe</li> <li>· ADR, IMDG, IATA</li> </ul>	III
<ul style="list-style-type: none"> <li>· 14.5 Umweltgefahren:</li> </ul>	Das Produkt enthält umweltgefährdende Stoffe: Dibutylphthalat
<ul style="list-style-type: none"> <li>· 14.6 Besondere Vorsichtsmaßnahmen für den Verwender</li> <li>· Nummer zur Kennzeichnung der Gefahr (Kemler-Zahl):</li> <li>· EMS-Nummer:</li> <li>· Stowage Category</li> </ul>	Achtung: Entzündbare flüssige Stoffe 33 F-E,S-E A
<ul style="list-style-type: none"> <li>· 14.7 Massengutbeförderung gemäß Anhang II des MARPOL-Übereinkommens und gemäß IBC-Code</li> </ul>	Nicht anwendbar.
<ul style="list-style-type: none"> <li>· Transport/weitere Angaben:</li> </ul>	<ul style="list-style-type: none"> <li>· ADR</li> <li>· Begrenzte Menge (LQ)</li> <li>· Freigestellte Mengen (EQ)</li> <li>· Beförderungskategorie</li> <li>· Tunnelbeschränkungscode</li> </ul>
<ul style="list-style-type: none"> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>	5L Code: E1 Höchste Nettomenge je Innenverpackung: 30 ml Höchste Nettomenge je Außenverpackung: 1000 ml 3 D/E  5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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· **UN "Model Regulation":** UN 1993 ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G.  
(TOLUEN, XYLENE), 3, III

### ABSCHNITT 15: Rechtsvorschriften

· **15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch**

· **Richtlinie 2012/18/EU**

· **Namentlich aufgeführte gefährliche Stoffe - ANHANG I** Keiner der Inhaltsstoffe ist enthalten.

· **Seveso-Kategorie**

*O2* Stoffe und Gemische, die bei Berührung mit Wasser entzündbare Gase entwickeln

*P5c* ENTZÜNDBARE FLÜSSIGKEITEN

· **Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der unteren Klasse 100 t**

· **Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der oberen Klasse 500 t**

· **VERZEICHNIS DER ZULASSUNGSPFLICHTIGEN STOFFE (ANHANG XIV)**

84-74-2 Dibutylphthalat	Sunset date: a) 2015-02-21, b) 2024-12-14
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· **VERORDNUNG (EG) Nr. 1907/2006 ANHANG XVII** Beschränkungsbedingungen: 3, 30, 40, 51b

· **Richtlinie 2011/65/EU zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten – Anhang II**

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· **VERORDNUNG (EU) 2019/1148**

· **Anhang I - BESCHRÄNKTE AUSGANGSSTOFFE FÜR EXPLOSIVSTOFFE (Oberer Konzentrationsgrenzwert für eine Genehmigung nach Artikel 5 Absatz 3)**

Keiner der Inhaltsstoffe ist enthalten.

· **Anhang II - MELDEPFLICHTIGE AUSGANGSSTOFFE FÜR EXPLOSIVSTOFFE**

Keiner der Inhaltsstoffe ist enthalten.

· **Verordnung (EG) Nr. 273/2004 betreffend Drogenausgangsstoffe**

Keiner der Inhaltsstoffe ist enthalten.

· **Verordnung (EG) Nr. 111/2005 zur Festlegung von Vorschriften für die Überwachung des Handels mit Drogenaustauschstoffen zwischen der Gemeinschaft und Drittländern**

Keiner der Inhaltsstoffe ist enthalten.

· **Nationale Vorschriften:**

· **Technische Anleitung Luft:**

Klasse	Anteil in %
I	10,0
NK	90,0

· **Wassergefährdungsklasse: WGK 2 (Selbsteinstufung):** deutlich wassergefährdend.

· **Sonstige Vorschriften, Beschränkungen und Verbotsverordnungen**

Das Produkt unterliegt der Anlage 2 der Chemikalienverbotsverordnung (ChemVerbotsV) - Anforderungen in Bezug auf die Abgabe

· **Besonders besorgniserregende Stoffe (SVHC) gemäß REACH, Artikel 57**

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· **15.2 Stoffsicherheitsbeurteilung:** Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.

### ABSCHNITT 16: Sonstige Angaben

Die Angaben stützen sich auf den heutigen Stand unserer Kenntnisse, sie stellen jedoch keine Zusicherung von Produkteigenschaften dar und begründen kein vertragliches Rechtsverhältnis.

· **Relevante Sätze**

- H226 Flüssigkeit und Dampf entzündbar.
- H312 Gesundheitsschädlich bei Hautkontakt.
- H315 Verursacht Hautreizungen.
- H332 Gesundheitsschädlich bei Einatmen.
- H360Df Kann das Kind im Mutterleib schädigen. Kann vermutlich die Fruchtbarkeit beeinträchtigen.
- H400 Sehr giftig für Wasserorganismen.

· **Abkürzungen und Akronyme:**

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 3: Entzündbare Flüssigkeiten – Kategorie 3
- Water-react. 1: Stoffe und Gemische, die in Berührung mit Wasser entzündbare Gase entwickeln – Kategorie 1
- Acute Tox. 4: Akute Toxizität – Kategorie 4
- Skin Irrit. 2: Hautreizende/-ätzende Wirkung – Kategorie 2
- Repr. 1B: Reproduktionstoxizität – Kategorie 1B
- Aquatic Acute 1: Gewässergefährdend - akut gewässergefährdend – Kategorie 1

**Scheda di dati di sicurezza**  
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### SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa

- **1.1 Identificatore del prodotto**
- **Denominazione commerciale:** DPX Mounting Medium
- **Articolo numero:** 13510, 13512, EMS/SEA1300-00A
- **UFI:** Q631-M0G1-X00H-3WJ2
- **1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati**  
Non sono disponibili altre informazioni.
- **Utilizzazione della Sostanza / del Preparato** Prodotti chimici per laboratorio
- **1.3 Informazioni sul fornitore della scheda di dati di sicurezza**
- **Produttore/fornitore:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: [info@emsdiasum.com](mailto:info@emsdiasum.com)  
[www.emsdiasum.com](http://www.emsdiasum.com)
- **Società Italiana Chimici**  
Via Rio Nell Ellba 140  
00138 Rome, Italy  
Tel: 39 06 8800211  
Fax: 39 30 06 8815313  
Web: [www.sichim.com](http://www.sichim.com)
- **Informazioni fornite da:** Product safety department
- **1.4 Numero telefonico di emergenza:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### SEZIONE 2: Identificazione dei pericoli

- **2.1 Classificazione della sostanza o della miscela**
- **Classificazione secondo il regolamento (CE) n. 1272/2008**



GHS02 fiamma

Flam. Liq. 3 H226 Liquido e vapori infiammabili.

Water-react. 1 H260 A contatto con l'acqua libera gas infiammabili che possono infiammarsi spontaneamente.



GHS08 pericolo per la salute

Repr. 1B H360Df Può nuocere al feto. Sospettato di nuocere alla fertilità.



GHS07

Acute Tox. 4 H332 Nocivo se inalato.

Skin Irrit. 2 H315 Provoca irritazione cutanea.

- **2.2 Elementi dell'etichetta**
- **Etichettatura secondo il regolamento (CE) n. 1272/2008**  
Il prodotto è classificato ed etichettato conformemente al regolamento CLP.

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**Pittogrammi di pericolo**

GHS02 GHS07 GHS08

**Avvertenza Pericolo****Componenti pericolosi che ne determinano l'etichettatura:**

xilene

ftalato di dibutile

**Indicazioni di pericolo**

H226 Liquido e vapori infiammabili.

H260 A contatto con l'acqua libera gas infiammabili che possono infiammarsi spontaneamente.

H332 Nocivo se inalato.

H315 Provoca irritazione cutanea.

H360Df Può nuocere al feto. Sospettato di nuocere alla fertilità.

**Consigli di prudenza**

P210 Tenere lontano da fonti di calore, superfici riscaldate, scintille, fiamme e altre fonti di innesco. Vietato fumare.

P223 Evitare qualunque contatto con l'acqua.

P231+P232 Manipolare e conservare in atmosfera di gas inerte. Tenere al riparo dall'umidità.

P303+P361+P353 IN CASO DI CONTATTO CON LA PELLE (o con i capelli): togliersi di dosso immediatamente tutti gli indumenti contaminati. Sciacquare la pelle [o fare una doccia].

P405 Conservare sotto chiave.

P501 Smaltire il prodotto/recipiente in conformità con le disposizioni locali / regionali / nazionali / internazionali.

**2.3 Altri pericoli****Risultati della valutazione PBT e vPvB****PBT:** Non applicabile.**vPvB:** Non applicabile.**SEZIONE 3: Composizione/informazioni sugli ingredienti****3.2 Caratteristiche chimiche: Miscela****Descrizione:** Miscela delle seguenti sostanze con additivi non pericolosi.**Sostanze pericolose:**

CAS: 1330-20-7	xilene	>50-≤100%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 84-74-2	ftalato di dibutile	>2,5-≤10%
EINECS: 201-557-4	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400	

**SVHC**

84-74-2 ftalato di dibutile

**Ulteriori indicazioni:** Il testo dell'avvertenza dei pericoli citati può essere appreso dal capitolo 16

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**SEZIONE 4: Misure di primo soccorso**· **4.1 Descrizione delle misure di primo soccorso**· **Indicazioni generali:**

*I sintomi di avvelenamento possono comparire dopo molte ore, per tale motivo è necessaria la sorveglianza di un medico nelle 48 ore successive all'incidente.*

· **Inalazione:**

*Portare in zona ben areata, praticare eventualmente la respirazione artificiale, tenere al caldo. Se i disturbi persistono consultare il medico.*

*Se il soggetto è svenuto provvedere a tenerlo durante il trasporto in posizione stabile su un fianco.*

· **Contatto con la pelle:** Lavare immediatamente con acqua e sapone sciacquando accuratamente.· **Contatto con gli occhi:** Lavare con acqua corrente per alcuni minuti tenendo le palpebre ben aperte.· **Ingestione:** Chiamare subito il medico.· **4.2 Principali sintomi ed effetti, sia acuti che ritardati** Non sono disponibili altre informazioni.· **4.3 Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali**

*Non sono disponibili altre informazioni.*

**SEZIONE 5: Misure antincendio**· **5.1 Mezzi di estinzione**· **Mezzi di estinzione idonei:** CO<sub>2</sub>, sabbia, polvere. Non usare acqua.· **Mezzi di estinzione inadatti per motivi di sicurezza:** Getti d'acqua· **5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela** Non sono disponibili altre informazioni.· **5.3 Raccomandazioni per gli addetti all'estinzione degli incendi**· **Mezzi protettivi specifici:** Indossare il respiratore.**SEZIONE 6: Misure in caso di rilascio accidentale**· **6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza**

*Indossare equipaggiamento protettivo. Allontanare le persone non equipaggiate.*

· **6.2 Precauzioni ambientali:**

*In caso di infiltrazione nei corpi d'acqua o nelle fognature avvertire le autorità competenti.*

*Impedire infiltrazioni nella fognatura/nelle acque superficiali/nelle acque freatiche.*

· **6.3 Metodi e materiali per il contenimento e per la bonifica:**

*Raccogliere il liquido con materiale assorbente (sabbia, tripoli, legante di acidi, legante universale, segatura).*

*Smaltimento del materiale contaminato conformemente al punto 13.*

*Provvedere ad una sufficiente areazione.*

*Non dilavare con acqua o detergenti liquidi.*

· **6.4 Riferimento ad altre sezioni**

*Per informazioni relative ad un manipolazione sicura, vedere capitolo 7.*

*Per informazioni relative all'equipaggiamento protettivo ad uso personale vedere Capitolo 8.*

*Per informazioni relative allo smaltimento vedere Capitolo 13.*

**SEZIONE 7: Manipolazione e immagazzinamento**· **7.1 Precauzioni per la manipolazione sicura**

*Accurata ventilazione/aspirazione nei luoghi di lavoro.*

*Aprire e manipolare i recipienti con cautela.*

*Evitare la formazione di aerosol.*

· **Indicazioni in caso di incendio ed esplosione:**

*Tenere lontano da fonti di calore, non fumare.*

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*Proteggere dal calore.**Adottare provvedimenti contro cariche elettrostatiche.**Tener pronto il respiratore.*· **7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità**· **Stoccaggio:**· **Requisiti dei magazzini e dei recipienti:** Non sono richiesti requisiti particolari.· **Indicazioni sullo stoccaggio misto:** Non necessario.· **Ulteriori indicazioni relative alle condizioni di immagazzinamento:***Mantenere i recipienti ermeticamente chiusi.**Conservare in luogo fresco e asciutto in fusti ben chiusi.**Proteggere dal calore e dai raggi diretti del sole.*· **7.3 Usi finali particolari** Non sono disponibili altre informazioni.

### SEZIONE 8: Controllo dell'esposizione/protezione individuale

· **8.1 Parametri di controllo**· **Ulteriori indicazioni sulla struttura di impianti tecnici:** Nessun dato ulteriore, vedere punto 7.· **Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:****1330-20-7 xilene**

TWA	Valore a breve termine: 651 mg/m <sup>3</sup> , 150 ppm Valore a lungo termine: 434 mg/m <sup>3</sup> , 100 ppm A4, IBE
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VL	Valore a breve termine: 442 mg/m <sup>3</sup> , 100 ppm Valore a lungo termine: 221 mg/m <sup>3</sup> , 50 ppm Cute
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**84-74-2 ftalato di dibutile**

TWA	Valore a lungo termine: 5 mg/m <sup>3</sup>
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· **Componenti con valori limite biologici:****1330-20-7 xilene**

IBE	1,5 g/g creatinina Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: acido metilippurico
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· **Ulteriori indicazioni:** Le liste valide alla data di compilazione sono state usate come base.· **8.2 Controlli dell'esposizione**· **Mezzi protettivi individuali:**· **Norme generali protettive e di igiene del lavoro:***Tenere lontano da cibo, bevande e foraggi.**Togliere immediatamente gli abiti contaminati.**Lavarsi le mani prima dell'intervallo o a lavoro terminato.**Custodire separatamente l'equipaggiamento protettivo.**Evitare il contatto con la pelle.**Evitare il contatto con gli occhi e la pelle.*· **Maschera protettiva:***Nelle esposizioni brevi e minime utilizzare la maschera; nelle esposizioni più intense e durature indossare l'autorespiratore.*

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**· Guanti protettivi:**

Guanti protettivi

*Il materiale dei guanti deve essere impermeabile e stabile contro il prodotto/ la sostanza/ la formulazione.*

*A causa della mancanza di tests non può essere consigliato alcun tipo di materiale per i guanti con cui manipolare il prodotto / la formulazione / la miscela di sostanze chimiche.*

*Scelta del materiale dei guanti in considerazione dei tempi di passaggio, dei tassi di permeazione e della degradazione.*

**· Materiale dei guanti**

*La scelta dei guanti adatti non dipende soltanto dal materiale bensì anche da altre caratteristiche di qualità variabili da un produttore a un altro. Poiché il prodotto rappresenta una formulazione di più sostanze, la stabilità dei materiali dei guanti non è calcolabile in anticipo e deve essere testata prima dell'impiego*

**· Tempo di permeazione del materiale dei guanti**

*Richiedere dal fornitore dei guanti il tempo di passaggio preciso il quale deve essere rispettato.*

**· Occhiali protettivi:**

Occhiali protettivi a tenuta

## SEZIONE 9: Proprietà fisiche e chimiche

**· 9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali****· Indicazioni generali****· Aspetto:**

<b>Forma:</b>	Liquido
<b>Colore:</b>	Incolore
<b>Odore:</b>	Caratteristico
<b>Soglia olfattiva:</b>	Non definito.

**· valori di pH:** Non definito.

**· Cambiamento di stato**

<b>Punto di fusione/punto di congelamento:</b>	Non definito.
<b>Punto di ebollizione iniziale e intervallo di ebollizione:</b>	144 °C

**· Punto di infiammabilità:** 28 °C

**· Infiammabilità (solidi, gas):** Non applicabile.

**· Temperatura di accensione:** 390 °C

**· Temperatura di decomposizione:** Non definito.

**· Temperatura di autoaccensione:** Spontaneamente infiammabile all'aria.

**· Proprietà esplosive:** Prodotto non è esplosivo, è tuttavia possibile la formazione di miscele di vapori/aria esplosive.

**· Limiti di infiammabilità:**

<b>Inferiore:</b>	0,1 Vol %
<b>Superiore:</b>	7 Vol %

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· <b>Tensione di vapore a 20 °C:</b>	6,7 hPa
· <b>Densità a 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Densità relativa</b>	Non definito.
· <b>Densità di vapore:</b>	Non definito.
· <b>Velocità di evaporazione</b>	Non definito.
· <b>Solubilità in/Miscibilità con acqua:</b>	Poco e/o non miscibile.
· <b>Coefficiente di ripartizione: n-ottanolo/acqua:</b>	Non definito.
· <b>Viscosità:</b>	
<b>Dinamica:</b>	Non definito.
<b>Cinematica:</b>	Non definito.
· <b>Tenore del solvente:</b>	
<b>Solventi organici:</b>	90,0 %
<b>VOC (CE)</b>	90,00 %
· <b>Contenuto solido:</b>	0,0 %
· <b>9.2 Altre informazioni</b>	Non sono disponibili altre informazioni.

**SEZIONE 10: Stabilità e reattività**

- **10.1 Reattività** Non sono disponibili altre informazioni.
- **10.2 Stabilità chimica**
- **Decomposizione termica/ condizioni da evitare:** Il prodotto non si decompone se utilizzato secondo le norme.
- **10.3 Possibilità di reazioni pericolose** Il contatto con acqua libera gas infiammabili.
- **10.4 Condizioni da evitare** Non sono disponibili altre informazioni.
- **10.5 Materiali incompatibili:** Non sono disponibili altre informazioni.
- **10.6 Prodotti di decomposizione pericolosi:** Non sono noti prodotti di decomposizione pericolosi.

**SEZIONE 11: Informazioni tossicologiche**

- **11.1 Informazioni sugli effetti tossicologici**
- **Tossicità acuta**  
Nocivo se inalato.

· <b>Valori LD/LC50 rilevanti per la classificazione:</b>		
<b>1330-20-7 xilene</b>		
Orale	LD50	4.300 mg/kg (rat)
Cutaneo	LD50	2.000 mg/kg (rabbit)
<b>84-74-2 ftalato di dibutile</b>		
Orale	LD50	8.000 mg/kg (rat)
Cutaneo	LD50	20.000 mg/kg (rabbit)

- **Irritabilità primaria:**
- **Corrosione/irritazione cutanea**  
Provoca irritazione cutanea.
- **Lesioni oculari gravi/irritazioni oculari gravi**  
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

(continua a pagina 7)

**Scheda di dati di sicurezza**  
**ai sensi del regolamento 1907/2006/CE, Articolo 31**

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- **Sensibilizzazione respiratoria o cutanea**  
*Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.*
- **Ulteriori dati tossicologici:**
- **Effetti CMR (cancerogenicità, mutagenicità e tossicità per la riproduzione)**
- **Mutagenicità delle cellule germinali**  
*Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.*
- **Cancerogenicità** *Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.*
- **Tossicità per la riproduzione**  
*Può nuocere al feto. Sospettato di nuocere alla fertilità.*
- **Tossicità specifica per organi bersaglio (STOT) - esposizione singola**  
*Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.*
- **Tossicità specifica per organi bersaglio (STOT) - esposizione ripetuta**  
*Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.*
- **Pericolo in caso di aspirazione** *Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.*

### **SEZIONE 12: Informazioni ecologiche**

- **12.1 Tossicità**
- **Tossicità acquatica:** *Non sono disponibili altre informazioni.*
- **12.2 Persistenza e degradabilità** *Non sono disponibili altre informazioni.*
- **12.3 Potenziale di bioaccumulo** *Non sono disponibili altre informazioni.*
- **12.4 Mobilità nel suolo** *Non sono disponibili altre informazioni.*
- **Effetti tossici per l'ambiente:**
- **Osservazioni:** *Tossico per i pesci.*
- **Ulteriori indicazioni in materia ambientale:**
- **Ulteriori indicazioni:**  
*Pericolosità per le acque classe 2 (D) (Autoclassificazione): pericoloso*  
*Non immettere nelle acque freatiche, nei corsi d'acqua o nelle fognature.*  
*Pericolo per le acque potabili anche in caso di perdite nel sottosuolo di piccole quantità di prodotto.*  
*Tossico per pesci e plancton.*  
*tossico per gli organismi acquatici*
- **12.5 Risultati della valutazione PBT e vPvB**
- **PBT:** *Non applicabile.*
- **vPvB:** *Non applicabile.*
- **12.6 Altri effetti avversi** *Non sono disponibili altre informazioni.*

### **SEZIONE 13: Considerazioni sullo smaltimento**

- **13.1 Metodi di trattamento dei rifiuti**
- **Consigli:** *Non smaltire il prodotto insieme ai rifiuti domestici Non immettere nelle fognature.*
- **Imballaggi non puliti:**
- **Consigli:** *Smaltimento in conformità con le disposizioni amministrative.*

### **SEZIONE 14: Informazioni sul trasporto**

- **14.1 Numero ONU**
- **ADR, IMDG, IATA** UN1993

(continua a pagina 8)


**Scheda di dati di sicurezza**  
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<ul style="list-style-type: none"> <li>· 14.2 Nome di spedizione dell'ONU</li> <li>· ADR</li> <li>· IMDG, IATA</li> </ul>	<p>1993 LIQUIDO INFIAMMABILE, N.A.S. (TOLUENE, XILENI)</p> <p>FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)</p>
<ul style="list-style-type: none"> <li>· 14.3 Classi di pericolo connesso al trasporto</li> <li>· ADR, IMDG, IATA</li> </ul>	
	
<ul style="list-style-type: none"> <li>· Classe</li> <li>· Etichetta</li> </ul>	<p>3 Liquidi infiammabili</p> <p>3</p>
<ul style="list-style-type: none"> <li>· 14.4 Gruppo di imballaggio</li> <li>· ADR, IMDG, IATA</li> </ul>	III
<ul style="list-style-type: none"> <li>· 14.5 Pericoli per l'ambiente:</li> </ul>	Il prodotto contiene materie pericolose per l'ambiente: ftalato di dibutile
<ul style="list-style-type: none"> <li>· 14.6 Precauzioni speciali per gli utilizzatori</li> <li>· N° identificazione pericolo (Numero Kemler):</li> <li>· Numero EMS:</li> <li>· Stowage Category</li> </ul>	<p>Attenzione: Liquidi infiammabili</p> <p>33</p> <p>F-E,S-E</p> <p>A</p>
<ul style="list-style-type: none"> <li>· 14.7 Trasporto di rifiuti secondo l'allegato II di MARPOL ed il codice IBC</li> </ul>	Non applicabile.
<ul style="list-style-type: none"> <li>· Trasporto/ulteriori indicazioni:</li> </ul>	
<ul style="list-style-type: none"> <li>· ADR</li> <li>· Quantità limitate (LQ)</li> <li>· Quantità esenti (EQ)</li> <li>· Categoria di trasporto</li> <li>· Codice di restrizione in galleria</li> </ul>	<p>5L</p> <p>Codice: E1</p> <p>Quantità massima netta per imballaggio interno: 30 ml</p> <p>Quantità massima netta per imballaggio esterno: 1000 ml</p> <p>3</p> <p>D/E</p>
<ul style="list-style-type: none"> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	UN 1993 LIQUIDO INFIAMMABILE, N.A.S. (TOLUENE, XILENI), 3, III

### SEZIONE 15: Informazioni sulla regolamentazione

- 15.1 Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela
- Direttiva 2012/18/UE
- Sostanze pericolose specificate - ALLEGATO I Nessuno dei componenti è contenuto.

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**Scheda di dati di sicurezza**  
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- **Categoria Seveso**  
O2 Sostanze e miscele che, a contatto con l'acqua, liberano gas infiammabili, categoria 1  
P5c LIQUIDI INFIAMMABILI
- **Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia inferiore 100 t**
- **Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia superiore 500 t**

· **ELENCO DELLE SOSTANZE SOGGETTE AD AUTORIZZAZIONE (ALLEGATO XIV)**

84-74-2	ftalato di dibutile	Sunset date: a) 2015-02-21, b) 2024-12-14
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- **REGOLAMENTO (CE) n. 1907/2006 ALLEGATO XVII Restrizioni: 3, 30, 40, 51b**

- **Direttiva 2011/65/UE sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche - Allegato II**

84-74-2	ftalato di dibutile
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- **REGOLAMENTO (UE) 2019/1148**

- **Allegato I - PRECURSORI DI ESPLOSIVI SOGGETTI A RESTRIZIONI (Valore limite superiore ai fini della concessione di licenze a norma dell'articolo 5, paragrafo 3)**

Nessuno dei componenti è contenuto.

- **Allegato II - PRECURSORI DI ESPLOSIVI SOGGETTI A SEGNALAZIONE**

Nessuno dei componenti è contenuto.

- **Regolamento (CE) n. 273/2004 relativo ai precursori di droghe**

Nessuno dei componenti è contenuto.

- **Regolamento (CE) N. 111/2005 recante norme per il controllo del commercio dei precursori di droghe tra la Comunità e i paesi terzi**

Nessuno dei componenti è contenuto.

- **Disposizioni nazionali:**

- **Istruzione tecnica aria:**

Classe	quota in %
NC	90,0

- **Ulteriori disposizioni, limitazioni e decreti proibitivi**

- **Sostanze estremamente preoccupanti (SVHC) ai sensi della regolamento REACH, articolo 57**

84-74-2	ftalato di dibutile
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- **15.2 Valutazione della sicurezza chimica: Una valutazione della sicurezza chimica non è stata effettuata.**

## SEZIONE 16: Altre informazioni

I dati sono riportati sulla base delle nostre conoscenze attuali, non rappresentano tuttavia alcuna garanzia delle caratteristiche del prodotto e non motivano alcun rapporto giuridico contrattuale.

- **Fraasi rilevanti**

H226 Liquido e vapori infiammabili.  
H312 Nocivo per contatto con la pelle.  
H315 Provoca irritazione cutanea.  
H332 Nocivo se inalato.  
H360Df Può nuocere al feto. Sospettato di nuocere alla fertilità.  
H400 Molto tossico per gli organismi acquatici.

- **Abbreviazioni e acronimi:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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**Scheda di dati di sicurezza**  
**ai sensi del regolamento 1907/2006/CE, Articolo 31**

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*EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**VOC: Volatile Organic Compounds (USA, EU)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 3: Liquidi infiammabili – Categoria 3**Water-react. 1: Sostanze e miscele che, a contatto con l'acqua, sviluppano gas infiammabili – Categoria 1**Acute Tox. 4: Tossicità acuta – Categoria 4**Skin Irrit. 2: Corrosione/irritazione della pelle – Categoria 2**Repr. 1B: Tossicità per la riproduzione – Categoria 1B**Aquatic Acute 1: Pericoloso per l'ambiente acquatico - pericolo acuto per l'ambiente acquatico – Categoria 1*

IT

# 安全データシート

## JIS Z 7253:2019 による

印刷日: 2022.05.12

バージョン番号: 1

改訂日: 2022.05.12

### 項目 1: 化学品及び会社情報

- ・製品識別子
- ・化学品の名称 **DPX Mounting Medium**
- ・製品コード 13510, 13512, EMS/SEA1300-00A
- ・該当純物質または混合物の関連特定用途及び使用禁止用途 追加的な関連情報は得られていません。
- ・推奨用途 実験用化学物質
- ・安全データシートの供給元の詳細情報
- ・供給者の会社名称,住所及び電話番号  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- ・その他の情報問い合わせ先: Product safety department
- ・緊急連絡電話番号  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 項目 2: 危険有害性の要約

- ・化学品のGHS分類



火炎

引火性液体 区分3 H226 引火性液体及び蒸気  
水反応可燃性化学品 区分1 H260 水に触れると自然発火するおそれのある可燃性又は引火性ガスを発生



健康に危険

生殖毒性 区分1B H360 生殖能又は胎児への悪影響のおそれ



急性毒性(吸入) 区分4 H332 吸入すると有害  
皮膚腐食性/刺激性 区分2 H315 皮膚刺激  
水生環境有害性(急性毒性) 区分2 H401 水生生物に毒性

- ・GHSラベル要素(絵表示又はシンボル,注意喚起語,危険有害性情報及び注意書き)
- ・GHS ラベル要素  
本製品はGHS(化学品の分類および表示に関する世界調和システム)により分類及び表示されています。
- ・絵表示



GHS02



GHS07



GHS08

- ・注意喚起語 危険

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# 安全データシート

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### 化学品の名称 DPX Mounting Medium

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#### ・危険と定められた成分をラベル表示:

キシレン

フタル酸ジ-n-ブチル

#### ・危険有害性情報

引火性液体及び蒸気

水に触れると自然発火するおそれのある可燃性又は引火性ガスを発生

吸入すると有害

皮膚刺激

生殖能又は胎児への悪影響のおそれ

水生生物に毒性

#### ・注意書き

熱/火花/裸火/高温のもののような着火源から遠ざけること。ー禁煙。

水と接触させないこと。

湿気を遮断し、不活性ガス下で取り扱うこと。

皮膚(または髪)に付着した場合: 直ちに汚染された衣類をすべて脱ぐこと。皮膚を流水/シャワーで洗うこと。

施設して保管すること。

現地/地域/国/国際規定に従い内容物・容器の露出

#### ・GHS分類に関係しない又はGHSで扱われない他の危険有害性

・PBT(残留性、生物濃縮性、毒性物質)及びvPvB(高残留性、高生物濃縮性物質)アセスメント

・PBT(残留性、生物濃縮性、毒性物質): 情報なし

・vPvB(高残留性、高生物濃縮性物質): 情報なし

### 項目 3: 組成及び成分情報

#### ・化学物質・混合物の区別: 混合物

・説明: 危険のない混ぜ合わせかたをした以下成分からなる混合物

#### ・危険な含有成分:

1330-20-7	キシレン ⚠ 引火性液体 区分3, H226; ⚠ 急性毒性(経皮) 区分4, H312; 急性毒性(吸入) 区分4, H332; 皮膚腐食性/刺激性 区分2, H315	>50-≤100%
84-74-2	フタル酸ジ-n-ブチル ⚠ 生殖毒性 区分1B, H360; ⚠ 水生環境有害性(急性毒性) 区分1, H400	>2.5-≤10%

### 項目 4: 応急措置

#### ・応急手当処置に関する説明

##### ・一般情報:

中毒症状は時間がかかり経過した後に現れる場合もあるため、事故後最低 4 8 時間は医師の監視のもとで過ごすこと

##### ・吸入した場合

外気を送り込み、同時に人工呼吸、温める。状態がよならない場合には医師に相談する

意識不明の場合には安定させた状態で横向きに寝かせ、移送する

##### ・皮膚に付着した場合 即刻石鹼と水で洗い、よくすすぐ

##### ・眼に入った場合 瞼を開けたまま、流水で何分間か眼をすすぐ

##### ・飲み込んだ場合 即医者を呼ぶ

・急性症状及び遅発性症状の最も重要な徴候症状 追加的な関連情報は得られていません。

・何らかの即時医療処置及び特別治療の必要性を示す兆候 追加的な関連情報は得られていません。

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化学品の名称 DPX Mounting Medium

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### 項目 5: 火災時の措置

- ・消火剤
- ・適切な消火剤 CO<sub>2</sub>、砂、消火剤、水は使用しない
- ・使ってはならない消火剤 全開状態で放水
- ・本化学物質または混合物から発生する特別な危険性 追加的な関連情報は得られていません。
- ・消火活動を行う者の特別な保護具及び予防措置
- ・特別な保護装備: 呼吸保護マスクを着用

### 項目 6: 漏出時の措置

- ・人体に対する注意事項, 保護具及び緊急時措置 防護服を着用。防護服を着用していない人は近づけない
- ・環境に対する注意事項  
河川、下水処理施設に流れ込んだ場合には関係当局に連絡する  
下水処理施設、地上水あるいは地下水に達しないようにする
- ・封じ込め及び浄化の方法及び機材  
液体吸収材 (砂、珪藻土、酸結合剤、ユニバーサル結合剤、おがくず) で吸収する  
13 項に下がい汚染材は廃棄物として処理する  
十分な換気を心がける  
水もしく液体洗剤で洗い流さない
- ・他のセクションへの言及  
安全な取り扱い方に関しては 7 項を参照  
人の保護装備の情報に関しては 8 項を参照  
廃棄処分に関しては 13 項参照

### 項目 7: 取扱い及び保管上の注意

- ・取扱い  
作業場では十分な換気、埃を吸い取るよう心がける  
容器は十分に注意しながら開封し、取り扱う  
エアゾールの発生を防ぐ
- ・火災および爆発防止に関する注意事項:  
発火元は遠ざける。禁煙  
高温から保護する  
静電荷を防ぐ措置をほどこす  
呼吸保護装置を用意しておく
- ・混融危険性を含めた安全貯蔵条件
- ・保管  
保管スペースおよび容器に関する要求事項: 特別な要求事項なし
- ・同じ場所に保管する際の注意事項: 必要ない
- ・保管条件に関するその他の注意事項:  
容器は密閉した状態に保つ  
よく密閉した樽の中で涼しく乾燥した場所に保管する  
熱および直射日光は避ける
- ・特定の最終用途 追加的な関連情報は得られていません。

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### 項目 8: ばく露防止及び保護措置

#### ・許容濃度等

##### ・作業場において限界値の監視を要する成分:

###### 1330-20-7 キシレン

OEL | 長期値: 217 mg/m<sup>3</sup>, 50 ppm

###### 84-74-2 フタル酸ジ-n-ブチル

OEL | 長期値: 5 mg/m<sup>3</sup>

##### ・生物学的許容値を持つ原料:

###### 1330-20-7 キシレン

OEL-B | 800 mg/l  
 試料: urine  
 試料採取時期: End of shift at end of work week  
 物質: total (o-, m-, p-)methylhippuric acid

##### ・追加注意事項: 生成時に有効なリストがもとなっている

#### ・設備対策

##### ・技術設備の形体に関する追加注意事項: その他の申し立てなし、7 項参照

#### ・保護具

##### ・一般防止措置および衛生措置:

食物、飲み物、飼料からは遠ざける  
 汚れのしみ込んだ衣類は即刻脱ぐ  
 休憩の前、作業終了後には手を洗う  
 防護服は別に保管する  
 皮膚が触れないようにする  
 眼に入らないよう、また皮膚に接触しないよう注意する

##### ・呼吸保護器具:

短時間  
 もしくは負担が小さい場合には呼吸フィルター付装置を、集中的にあるいは長時間触れる場合には、酸素ボンベ付き呼吸保護装置を使用すること

##### ・手の保護:



保護手袋

手袋の材質は物質/材料/調剤に対して耐性であり、成分を通すことがあってはならない  
 テストをおこなっていないため、物質/調剤/化合物を取り扱う際の手袋の材質として勧められるものはない  
 浸透時間、透過性および劣化の点を留意しながら手袋の材質を選択する

##### ・手袋材

適当な手袋は材質だけではなく、その他の品質によっても変わり、各メーカーによって異なる。  
 調剤する際の物質は複数の成分から生成されるため、手袋材の耐久性は予想できない。このため使用前には必ずチェックしなければならない

##### ・手袋材の浸透時間 正確な浸透時間については保護手袋メーカーに問い合わせ、それを遵守すること

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# 安全データシート

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印刷日: 2022.05.12

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改訂日: 2022.05.12

化学品の名称 DPX Mounting Medium

・眼の保護:

(4ページの続き)



密閉式保護めがね

### 項目 9: 物理的及び化学的性質

・基本的な物理及び化学特性に関する情報	
・一般指示事項	
・物理状態	液状
・色	無色
・臭い	特徴的
・嗅覚閾値	決まっていない.
・融点／凝固点(混合物の場合は,記載省略可)	決まっていない
・沸点又は初留点及び沸点範囲	144 °C
・可燃性	情報なし
・爆発下限界及び爆発上限界／可燃限界	
・下限:	0.1 Vol %
・上限:	7 Vol %
・引火点	28 °C
・発火温度:	390 °C
・分解温度	決まっていない.
・pH	決まっていない.
・粘性:	
・動粘性率	決まっていない.
・力学的:	決まっていない.
・溶解度(混合物の場合は,記載省略可)	
・水:	混ぜ合わせられない、ほとんど混ぜ合わせられない
・n-	
オクタノール／水分配係数(log値)(混合物の場合は,記載省略可)	決まっていない.
・蒸気圧 約 20 °C	6.7 hPa
・密度及び／又は相対密度	
・密度 約 20 °C:	1 g/cm <sup>3</sup>
・相対的密度	決まっていない.
・蒸気密度	決まっていない.
・その他のデータ	
・外観	
・形:	液体
・健康および環境保護ならびに安全に関する重要な指示事項	
・自然発火点	空気中で自然発火の危険
・爆発の危険:	プロダクトは爆発する危険はない。ただし爆発する危険のある蒸気と空気の混合物を形成する可能性はある
・溶剤含有量:	
・有機溶剤:	90.0 %
・固形物含有量:	0.0 %

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- ・状態の変化
  - ・気化速度
- 決まっていない。

### 項目 10: 安定性及び反応性

- ・反応性 追加的な関連情報は得られていません。
- ・化学的安定性
- ・熱分解/回避すべき条件: 規定どおりの使用では分解しない
- ・危険有害反応可能性 水と接触すると燃焼性ガスが発生する
- ・避けるべき条件 追加的な関連情報は得られていません。
- ・混触危険物質 追加的な関連情報は得られていません。
- ・危険有害な分解生成物 危険な分解プロダクトはない

### 項目 11: 有害性情報

- ・毒性学的影響に関する情報
- ・急性毒性 吸入すると有害

・分類上の LD/LC50 値:

#### 1330-20-7 キシレン

口	LD50	4,300 mg/kg (rat)
皮膚	LD50	2,000 mg/kg (rabbit)

#### 84-74-2 フタル酸ジ-n-ブチル

口	LD50	8,000 mg/kg (rat)
皮膚	LD50	20,000 mg/kg (rabbit)

- ・皮膚腐食性/刺激性 皮膚刺激
- ・生殖毒性 生殖能又は胎児への悪影響のおそれ
- ・誤えん有害性 追加的な関連情報は得られていません。

### 項目 12: 環境影響情報

- ・毒性
- ・水生生物に対する毒性: 追加的な関連情報は得られていません。
- ・残留性・分解性 追加的な関連情報は得られていません。
- ・生態蓄積性 追加的な関連情報は得られていません。
- ・土壤中の移動性 追加的な関連情報は得られていません。
- ・PBT(残留性、生物濃縮性、毒性物質)及びvPvB(高残留性、高生物濃縮性物質)アセスメント
- ・PBT(残留性、生物濃縮性、毒性物質): 情報なし
- ・vPvB(高残留性、高生物濃縮性物質): 情報なし
- ・オゾン層への有害性 追加的な関連情報は得られていません。
- ・他の副作用
- ・注: 魚類に対して毒性が高い
- ・その他のエコロジーに関する注意事項:
- ・一般注意事項:
  - 水への危険度分類 2 (ドイツの規定) (自己査定): 水に対する危険性あり
  - 地下水、河川あるいは下水設備に流してはならない
  - 地下に少量流れ込んで飲料水を汚染する
  - 水域においては魚やプランクトンにも毒性がある

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水生生物にとり毒性が高い

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### 項目 13: 廃棄上の注意

- ・ 化学品(残余廃棄物) , 当該化学品が付着している汚染容器及び包装の安全で , かつ , 環境上望ましい廃棄,又はリサイクルに関する情報
- ・ 勧告: 家庭ごみとはいっしょに処分できない。下水処理施設に流してはならない
- ・ 洗浄されていないパッケージ:
- ・ 勧告: 関係当局の規則に従って処分する

### 項目 14: 輸送上の注意

・ 国連番号 ・ ADR, IMDG, IATA	UN1993
・ 品名(国連輸送名) ・ ADR ・ IMDG, IATA	1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES) FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
・ 国連分類(輸送における危険有害性クラス) ・ ADR, IMDG, IATA	
	
・ 分類 ・ 危険物ラベル	3 可燃性液体成分 3
・ 容器等級 ・ ADR, IMDG, IATA	III
・ 環境危険:	このプロダクトには環境に毒性のある成分が含まれている : フタル酸ジ-n-ブチル
・ ユーザー用特別予防措置 ・ ケムラー符号: ・ EMS (電子メールサービスナンバー) 番号: ・ Stowage Category	警告: 可燃性液体成分 33 F-E,S-E A
・ MARPOL73/78附属書II及びIBCコードによるばら積み 輸送される液体物質	情報なし
・ 輸送/その他の説明:	
・ ADR ・ Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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<ul style="list-style-type: none"> <li>・IMDG</li> <li>・ Limited quantities (LQ)</li> <li>・ Excepted quantities (EQ)</li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<ul style="list-style-type: none"> <li>・ UN "模範規制":</li> </ul>	UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, III

### 項目 15: 適用法令

- ・ 該当法令の名称及びその法令に基づく規制に関する情報 追加的な関連情報は得られていません。
- ・ 化審法

#### ・ 既存化学物質

1330-20-7	キシレン	3-3, 3-60
84-74-2	フタル酸ジ-n-ブチル	3-1303

#### ・ 特定化学物質

内容成分はリストアップされていない

#### ・ 監視化学物質、旧第二種監視化学物質、旧第三種監視化学物質

84-74-2	フタル酸ジ-n-ブチル	旧第二
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#### ・ 優先評価化学物質

1330-20-7	キシレン	
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#### ・ 白物質

内容成分はリストアップされていない

#### ・ 既存化学物質安全性点検結果(分解性・蓄積性)

全ての内容成分はリストアップされている

#### ・ 既存化学物質安全性点検結果(毒性)

内容成分はリストアップされていない

#### ・ PRTR 制度 - 第一種指定化学物質

1330-20-7	キシレン	1-80
84-74-2	フタル酸ジ-n-ブチル	1-354

#### ・ PRTR 制度 - 特定第一種指定化学物質

内容成分はリストアップされていない

#### ・ PRTR 制度 - 第二種指定化学物質

内容成分はリストアップされていない

#### ・ 毒物及び劇物取締法:劇物

1330-20-7	キシレン	
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#### ・ 毒物及び劇物取締法:有機シアン化合物から除かれるもの

内容成分はリストアップされていない

#### ・ 毒物及び劇物取締法:毒物

内容成分はリストアップされていない

#### ・ 毒物及び劇物取締法:特定毒物

内容成分はリストアップされていない

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- ・労働安全衛生法

- ・危険物

- ・爆発性の物(施行令別表第1第1号)

内容成分はリストアップされていない

- ・発火性の物(施行令別表第1第2号)

内容成分はリストアップされていない

- ・酸化性の物(施行令別表第1第3号)

内容成分はリストアップされていない

- ・引火性の物(施行令別表第1第4号)

1330-20-7 キシレン

- ・可燃性のガス(施行令別表第1第5号)

内容成分はリストアップされていない

- ・特定化学物質等

- ・第一類物質

内容成分はリストアップされていない

- ・第二類物質

内容成分はリストアップされていない

- ・第三類物質

内容成分はリストアップされていない

- ・名称等を通知すべき有害物(別表第9)

1330-20-7 キシレン

136

84-74-2 フタル酸ジ-n-ブチル

479

- ・製造許可物質

内容成分はリストアップされていない

- ・鉛中毒予防規則(施行令別表第4)

内容成分はリストアップされていない

- ・四アルキル鉛中毒予防規則(施行令別表第5)

内容成分はリストアップされていない

- ・有機溶剤中毒予防規則第(施行令別表第6の2)

- ・第一種有機溶剤等

内容成分はリストアップされていない

- ・第二種有機溶剤等

1330-20-7 キシレン

- ・第三種有機溶剤等

内容成分はリストアップされていない

- ・強い変異原性が認められた化学物質

内容成分はリストアップされていない

- ・消防法

全ての内容成分はリストアップされている

- ・海洋汚染防止法

全ての内容成分はリストアップされている

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### 化学品の名称 DPX Mounting Medium

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#### ・特定物質等の規制等によるオゾン層の保護に関する法律

##### ・特定物質代替物質

内容成分はリストアップされていない

##### ・特定物質

内容成分はリストアップされていない

##### ・大気汚染防止法

全ての内容成分はリストアップされている

##### ・水質汚濁防止法

##### ・有害物質

内容成分はリストアップされていない

##### ・指定物質

1330-20-7 キシレン

3-3-28

##### ・GHS ラベル要素

本製品はGHS(化学品の分類および表示に関する世界調和システム)により分類及び表示されています。

##### ・絵表示



GHS02 GHS07 GHS08

##### ・注意喚起語 危険

##### ・危険と定められた成分をラベル表示:

キシレン

フタル酸ジ-n-ブチル

##### ・危険有害性情報

引火性液体及び蒸気

水に触れると自然発火するおそれのある可燃性又は引火性ガスを発生

吸入すると有害

皮膚刺激

生殖能又は胎児への悪影響のおそれ

水生生物に毒性

##### ・注意書き

熱/火花/裸火/高温のもののような着火源から遠ざけること。－禁煙。

水と接触させないこと。

湿気を遮断し、不活性ガス下で取り扱うこと。

皮膚(または髪)に付着した場合: 直ちに汚染された衣類をすべて脱ぐこと。皮膚を流水/シャワーで洗うこと。

施錠して保管すること。

現地/地域/国/国際規定に従い内容物・容器の露出

##### ・化学物質の安全性評価: 化学物質安全性評価が遂行されていない

## 項目 16: その他の情報

この情報は現在の我々の認識に基づいている。ただし、プロダクトの特性を保証するものではなく、また契約において法的根拠にはならない

##### ・縮約と二文字語:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

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# 安全データシート

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ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

引火性液体 区分3: Flammable liquids – Category 3

水反応可燃性化学品 区分1: Substances and mixtures which in contact with water emit flammable gases – Category 1

急性毒性(経皮) 区分4: Acute toxicity – Category 4

皮膚腐食性/刺激性 区分2: Skin corrosion/irritation – Category 2

生殖毒性 区分1B: Reproductive toxicity – Category 1B

水生環境有害性(急性毒性) 区分1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

水生環境有害性(急性毒性) 区分2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2

JP

물질안전보건자료  
GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

1 화학제품과 회사에 관한 정보

- 제품 식별자
- 제품명: **DPX Mounting Medium**
- 상품번호: 13510, 13512, EMS/SEA1300-00A
- 해당 순물질이나 혼합물의 관련 하위용도 및 사용금지용도
- 제품의 권고 용도와 사용상의 제한: DPX Mounting Medium
- 제품의 권고 용도와 사용상의 제한: 실험실 화학품
- 안전데이터표(Safety Data Sheet)내 공급업체 관련 상세 정보
- 제조자/수입자/유통업자 정보:  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- Samchang Commercial Co., Ltd.  
Yeo Eui Do  
PO Box 1110  
Seoul, Korea  
Tel: 82 2 703 3040  
Fax: 82 2 717 3298
- 
- Daedok Science, Co. Ltd.  
34141 E10 Korea Advanced Institute of Science  
Guseong-Dong, Yuseong-gu, Daejeon,  
Korea  
Phone: 82 42 710 2091  
Fax: 82 42 367 0005  
Website: www.labsmro.com
- 추가적인 정보 획득 가능: Product safety department
- 비상연락 전화번호:  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

2 유해성·위험성

- 순물질 또는 혼합물의 분류



화염

인화성 액체 – 구분3

H226 인화성 액체 및 증기

물반응성 물질 및 혼합물 – 구분1 H260 물과 접촉 시 자연발화 가능성이 있는 인화성 가스를 발생시킴



건강에 위험

생식독성 – 구분1B

H360 태아 또는 생식능력에 손상을 일으킬 수 있음



(2 쪽에 계속)

# 물질안전보건자료 GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

**제품명: DPX Mounting Medium**

(1 쪽부터계속)

급성 독성 - 흡입 - 구분4                    H332 흡입하면 유해함  
 피부 부식성/피부 자극성 - 구분2    H315 피부에 자극을 일으킴

· 라벨표기 요소

· **GHS 라벨 요소** 본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

· **GHS 그림문자**



· 신호어 위험

· **상표상에 명확히 위험성이 표시된 성분:**

크실렌  
 디부틸 프탈레이트

· **유해·위험문구**

인화성 액체 및 증기  
 물과 접촉 시 자연발화 가능성이 있는 인화성 가스를 발생시킴  
 흡입하면 유해함  
 피부에 자극을 일으킴  
 태아 또는 생식능력에 손상을 일으킬 수 있음

· **예방조치문구**

열·스파크·화염·고열로부터 멀리하시오 - 금연  
 격렬한 반응 및 화재의 가능성이 있으므로 물과 접촉하지 않게 하시오.  
 불활성 기체 하에서 취급하고, 습기를 방지하시오.  
 피부(또는 머리카락)에 묻으면 오염된 모든 의복은 벗거나 제거하시오. 피부를 물로 씻으시오/샤워하시오 .  
 밀봉하여 저장하시오.  
 (지방/지역/국가/국제 규정에 따라) 에 내용물/용기를 폐기하시오.

· **기타 유해성**

- **PBT(잔류성, 생물농축성, 독성 물질) 및 vPvB(고 잔류성, 고 생물농축성 물질) 평가 결과**
- **PBT(잔류성, 생물농축성, 독성 물질):** 해당사항 없음.
- **vPvB(고 잔류성, 고 생물농축성 물질):** 해당사항 없음.

### 3 구성성분의 명칭 및 함유량

· **화 학 적 특 성:** 혼합물

· **설 명:** 무해한 첨가물이 함유된 아래에 열거된 물질로 만들어진 혼합물.

· **위험요소:**

1330-20-7	크실렌 ⚠ 인화성 액체 - 구분3, H226; ⚠ 급성 독성 - 경피 - 구분4, H312; 급성 독성 - 흡입 - 구분4, H332; 피부 부식성/피부 자극성 - 구분2, H315	>50-≤100%
84-74-2	디부틸 프탈레이트 ⚠ 생식독성 - 구분1B, H360; ⚠ 수생환경 유해성 - 급성 - 구분1, H400	>2.5-≤10%

### 4 응급조치 요령

· **응급조치요령 내용**

· **일 반 적 정 보:**

중독 증상은 몇 시간이 지난 뒤에 발생할 수 있다. 따라서 사고가 발생한 후에 적어도 48 시간동안은 의료진의 관찰을 받아야 한다.

(3 쪽에계속)

# 물질안전보건자료 GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

## 제품명: DPX Mounting Medium

(2 쪽부터 계속)

- **흡입했을 때:**  
신 선 한 공 기를 쐬고, 필요할 경우에는 산 소 호 흡 기의 도움을 받는다. 환자를 따뜻하게 하고, 증상이 지속될 경우에는 의료진의 도움을 구한다.  
환자가 의식을 잃었을 경우에는 안전한 자세에서 환자를 운반한다.
- **피부에 접촉했을 때:** 즉시 물과 비누로 씻고 잘 행군다.
- **눈에 들어갔을 때:** 흐르는 물에 눈을 몇 분 동안 씻어낸다.
- **먹었을 때:** 즉 시 의사의 도움을 구한다.
- **기타 의사의 주의사항:**
- **가장 중요한 급·만성 증상 및 영향** 추가적인 정보가 존재하지 않습니다.
- **즉각적인 의료처치 및 특별치료가 필요함을 시사하는 징후** 추가적인 정보가 존재하지 않습니다.

### 5 폭발·화재시 대처방법

- **소화제**
- **적절한 소화제:** 이 산 화 탄 소, 모 래, 석 회 가 루를 사용하고, 물 을 사 용 하 지 않 는 다.
- **부적절한 소화제:** 플레트용 물
- **본 화학물질이나 혼합물에서 발생하는 특별 유해성** 추가적인 정보가 존재하지 않습니다.
- **소방관에 대한 권고사항**
- **화재 진압 시 착용할 보호구 및 예방조치:** 호흡보호장비 설치.

### 6 누출 사고 시 대처방법

- **개인적 예방조치, 보호장비 및 응급처치 절차** 안전 장 비 착 용하고, 무 방 비 의 사 람 은 격 리 시 킨다.
- **환경 관련 예방조치:**  
하천이나 하수도로 유입되었을 경우 해당 관청에 보고한다.  
하수도망/해수면 위 의 물 /지 하 수 로 도 달 하 지 않 게 한다.
- **밀폐 및 정화 방법과 소재:**  
액 체 가 혼 합 된 물 질 (모 래, 규 조 토, 산 성 결 합 물, 일 반 결 합 물, 톱 밥)에 흡입되도록 한다.  
항목 13에 따라 오염된 물질을 쓰레기로 처분한다.  
충분한 환기가 되도록 한다.  
물 이 나 묽 은 세 척 제 로 씻 어 내 지 마 십 시 오
- **타 섹션 참조**  
안 전 관 리 에 대 한 정 보 는 제 7 장 을 참 고 하 시 오.  
개 인 보 호 장 비 에 대 한 정 보 는 제 8 장 을 참 고 하 시 오.  
쓰 레 기 처 리 에 대 한 정 보 는 제 13 장 을 참 고 하 시 오.

### 7 취급 및 저장방법

- **취급:**
- **안전 취급을 위한 예방조치**  
작업장에서는 통풍이 잘 되고/습기 제거가 잘 되게 주의한다.  
조심스럽게 용기를 개봉하거나 취급한다.  
연무질이 형성되는 것을 피한다.
- **화재 및 폭발 사고 예방대책에 관한 정보:**  
발 화 요 소 는 멀 리 둔 다-금 연.  
열로부터 보호한다.  
정 전 기 의 충 전 으로부터 보호한다.  
호흡보호장비를 항상 비치한다.
- **혼합위험성 등 안전 저장 조건**
- **보관:**
- **안전한 저장 방법:** 특 별 한 요 구 사 항 이 없 음.

(4 쪽에 계속)

물질안전보건자료  
GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

제품명: DPX Mounting Medium

(3 쪽부터계속)

- 하나의 공동 보관 시설에 대한 보관 관련 정보: 필요없음
- 보관 조건에 관한 추가적인 정보:  
용기를 새지않게 밀폐한채보관한다.  
밀폐된 용기속에서늘하고건조하게보관한다.  
열이나직사광선으로부터보호한다.
- 구체적 최종 사용자 추가적인 정보가 존재하지 않습니다.

**8 노출방지 및 개인보호구**

- 첨단시설 디자인에 대한 추가정보: 더 이상의 자료는 없음. 항목 7 을 참고하시 오.

· 통제 변수

· 화학물질의 노출기준, 생물학적 노출기준 등:

**1330-20-7 크실렌**

OELV (KR)	단기간의값: 150 ppm 장기간의값: 100 ppm
IOELV (EU)	단기간의값: 442 mg/m <sup>3</sup> , 100 ppm 장기간의값: 221 mg/m <sup>3</sup> , 50 ppm Skin
PEL (US)	장기간의값: 435 mg/m <sup>3</sup> , 100 ppm
REL (US)	단기간의값: 655 mg/m <sup>3</sup> , 150 ppm 장기간의값: 435 mg/m <sup>3</sup> , 100 ppm
TLV (US)	단기간의값: (150) ppm 장기간의값: (100) NIC-20 ppm BEI, A4

**84-74-2 디부틸 프탈레이트**

OELV (KR)	장기간의값: 5 mg/m <sup>3</sup> 생식독성 1B
PEL (US)	장기간의값: 5 mg/m <sup>3</sup>
REL (US)	장기간의값: 5 mg/m <sup>3</sup>
TLV (US)	장기간의값: 5 mg/m <sup>3</sup>

· 생물학적 허용값을 갖는 원료:

**1330-20-7 크실렌**

BEI (US)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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· 추가 정보: 제조 할 당시에 유효 한 목록을 기초로 사용했다.

· 노출 통제

· 개인 보호구

· 일반적보호조치및위생조치:

- 식품, 음료수와 사료로부터 멀리 떨어져 놓는다.
- 더러워지거나 음료수가 묻은 옷은 즉시 탈의한다.
- 휴식 전 이 나 작업이 끝날때마다 손을 씻는다.
- 방호복은 따로보관한다.
- 피부와의 접촉을 피한다.
- 눈과 피부와의 접촉을 피한다.

(5 쪽에계속)

# 물질안전보건자료 GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

**제품명: DPX Mounting Medium**

(4 쪽부터계속)

· **호흡기 보호:**  
단 시간 또는 경미한 오염의 경우에는 호흡여과기를 사용한다. 심각한 또는 장기간 노출시에는 호흡보호장비를 사용한다.

· **손 보호:**




보호용 장갑

장갑재질은제품 / 원료 / 조제를투과시키지않아야하고, 내구성이있어야한다.  
테스트를 하지 않았기 때문에 제품 / 조제 / 화학 혼합 물에 적합한 장갑재질에 대한 추천이 없다.  
투과 시간, 침투율과 저하를 고려해서 장갑 재료를 선택한다.

· **장갑의재료**  
적합한장갑의선택은재질차이뿐아니라품질기준의차이도고려하여야이루어져야하고제조업종에따라서도다르게선택되어야한다 .  
제품은다양한재료로부터의조제로이루어지는것이기때문에 , 장갑재질의안정성은사전에예측되어질수있는것이아니고 ,  
반드시사용전에 (그안전성이) 체크되어야한다.

· **장갑 재료의 투과 시간** 정확한관통시간은보호장갑제조자에의하여인지되고, 준수되어야한다.

· **눈 보호:**



확조이는보안경

## 9 물리화학적 특성

· **기본 물리 및 화학적 특성에 대한 정보**

- 일반정보
- 외형
  - 물리적 상태: 액체
  - 색: 색소가없는
- 냄새: 특색있는
- 후각역치: 알맞지않다.

· **pH:** 알맞지않다.

· **상태변화**  
녹는점/어는점: 맞지않는  
초기 끓는점과 끓는점 범위: 144 °C

· **인화점:** 28 °C

· **인화성(고체, 기체):** 해당사항 없음.

· **점화온도:** 390 °C

· **분해 온도:** 알맞지않다.

· **자기점화:** 공기중에서자연발화하는

· **폭발위험:** 이제품은폭발위험성이없지만 ,  
폭발가능성이있는증기화합물/공기화합물의형성가능성이있다.

· **인화 또는 폭발 범위의 상한/하한**  
아래로: 0.1 Vol %  
위로: 7 Vol %

· **증기압 의경우 20 °C:** 6.7 hPa

(6 쪽에계속)

# 물질안전보건자료 GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

**제품명: DPX Mounting Medium**

(5 쪽부터계속)

· 밀도 의경우 20 °C:	1 g/cm <sup>3</sup>
· 비중:	알맞지않다.
· 증기밀도:	알맞지않다.
· 증발 속도:	알맞지않다.
· 용해도:	
물:	각각의경우에따라서는거의혼합할수없는
· n 옥탄올/물 분배계수:	알맞지않다.
· 점도:	
역학성:	알맞지않다.
동점성:	알맞지않다.
· 용매내용물	
유기용매:	90.0 %
VOC (EU)	90.00 %
· 고체의 함량:	0.0 %
· 기타 정보	추가적인 정보가 존재하지 않습니다.

## 10 안정성 및 반응성

- 반응성 추가적인 정보가 존재하지 않습니다.
- 화학적 안정성
- 화학적 안정성 및 유해 반응의 가능성 / 피해야 할 조건: 규정에따라사용할경우해체는없다
- 유해반응 가능성 물과접촉시인화성가스가방출된다.
- 피해야 할 조건 추가적인 정보가 존재하지 않습니다.
- 혼합 금지 물질: 추가적인 정보가 존재하지 않습니다.
- 유해분해물질: 위험성있는분해물들은알려지지않았다.

## 11 독성에 관한 정보

- 독성학적 영향에 대한 정보
- 급성 독성:

· LD/LC50-수치에 따른 분류:		
<b>1330-20-7 크실렌</b>		
구강의	LD50	4,300 mg/kg (rat)
피부의	LD50	2,000 mg/kg (rabbit)
<b>84-74-2 디부틸 프탈레이트</b>		
구강의	LD50	8,000 mg/kg (rat)
피부의	LD50	20,000 mg/kg (rabbit)

- 일차적 자극 효과:
- 피부 부식성 또는 자극성: 피부와점막을자극한다.
- 심한 눈 손상 또는 자극성: 무자극.
- 감각화: 민감한영향이없는것으로알려져있다.
- 추 가 적 인 독성에 관한 정보:  
이제품은유럽공동체의공동분류원칙의합법적인절차에근거하여최근에발효된원고에서아래위험들의사전준비에대하여제시하고있  
다.  
건강에해로운  
자극적인

(7 쪽에계속)



# 물질안전보건자료 GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

**제품명: DPX Mounting Medium**

(6 쪽부터계속)

- 다음 종류의 잠재적인 효과에 대한 정보
- **CMR-효과 (암 유발, 돌연변이성 그리고 생식 독성)**
- 생식독성 – 구분1B


## 12 환경에 미치는 영향

- 독성
- 수생독성: 추가적인 정보가 존재하지 않습니다.
- 지속성 및 분해성 추가적인 정보가 존재하지 않습니다.
- 환경 시스템에서의 행동:
- 생물농축 잠재성 추가적인 정보가 존재하지 않습니다.
- 토양내 이동성 추가적인 정보가 존재하지 않습니다.
- 생태독성:
- 의견: 어류에독이됨
- 추가적인 생태학 정보:
- 일반 특징:
  - 수질오염등급 2 (자체등급분류): 수질오염이된 지하수나, 하천으로또는하수도망에도달하지않게한다.
  - 지하수로경미한양이유입되었을경우엔이미식수오염상태이다
  - 하천에서는역시물고기나플랑크톤계는독성이있다.
  - 물속의유기체에독이되는것
- **PBT(잔류성, 생물농축성, 독성 물질) 및 vPvB(고 잔류성, 고 생물농축성 물질) 평가 결과**
- **PBT(잔류성, 생물농축성, 독성 물질):** 해당사항 없음.
- **vPvB(고 잔류성, 고 생물농축성 물질):** 해당사항 없음.
- 기타 부작용 추가적인 정보가 존재하지 않습니다.

## 13 폐기시 주의사항

- 폐기물 처리 방법
- 권고: 생활쓰레기와함께처리되어서는안된다. 하수도망으로유입되어서는안된다.
- 비위생적 포장:
- 권고: 당국의지침에입각한쓰레기처리.

## 14 운송에 필요한 정보

<ul style="list-style-type: none"> <li>· 유엔 번호</li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	UN1993
<ul style="list-style-type: none"> <li>· UN 적정 선적명</li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>	1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES) FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
<ul style="list-style-type: none"> <li>· 교통 위험 클래스</li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>	
	
<ul style="list-style-type: none"> <li>· 등급</li> </ul>	3 발화성용액

(8 쪽에계속)

물질안전보건자료  
GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

제품명: DPX Mounting Medium

(7 쪽부터계속)

· 위험물 라벨	3
· 용기등급 · ADR, IMDG, IATA	III
· 환경적 유해물질:	이물질은환경오염물질을함유하고있다; 디부틸 프탈레이트
· 이용자 특별 예방조치 · 위험 코드: · EMS-번호: · Stowage Category	경고: 발화성용액 33 F-E,S-E A
· MARPOL73/78(선박으로부터의 해양오염방지협약) 부속서2 및 IBC Code(국제선적화물코드)에 따른 벌크(bulk) 운송	해당사항 없음.
· 운 송/추가 정보:	
· ADR · 한정 수량 (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· 운송 구분 · 터널 제한 코드	3 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "모범 규제":	UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, III

15 법적 규제현황

· 산업안전보건법에 의한 규제:

· 제조 등 금지물질:

어떠한내용물도목록화되어있지않다

· 허가대상물질:

어떠한내용물도목록화되어있지않다

· 관리대상유해물질:

1330-20-7 크실렌

· 작업환경측정 대상 유해인자

1330-20-7 크실렌

1A90

· 특수건강진단 대상 유해인자

1330-20-7 크실렌

1A81

· 해당 순물질 또는 혼합물에 대한 안전, 보건 및 환경 규제/법률 추가적인 정보가 존재하지 않습니다.

· Korean Existing Chemical Inventory

1330-20-7 크실렌

KE-35427

84-74-2 디부틸 프탈레이트

KE-02214

(9 쪽에계속)

# 물질안전보건자료 GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

**제품명: DPX Mounting Medium**

(8 쪽부터계속)

**· 화학물질관리법**

**· 사고대비물질**

어떠한내용물도목록화되어있지않다

**· 금지물질**

어떠한내용물도목록화되어있지않다

**· 제한물질**

어떠한내용물도목록화되어있지않다

**· 유독물질**

모든내용물이목록화되어있다

**· 허가물질**

모든내용물이목록화되어있다

**· 위험물안전관리법 (위험물 및 지정수량) 제 4: 1,000 리터**

**· 등록 또는 신고 면제대상 화학물질**

어떠한내용물도목록화되어있지않다

**· ‘21년까지 등록하여야 할 압, 돌연변이, 생식능력 이상을 일으키거나 일으킬 우려가 있는 기존화학물질**

어떠한내용물도목록화되어있지않다

**· 중점관리물질의 지정**

**· 표1 중점관리물질(제2조 관련)**

모든내용물이목록화되어있다

**· 표2 중점관리물질(제2조 관련)**

어떠한내용물도목록화되어있지않다

· **GHS 라벨 요소** 본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

**· GHS 그림문자**



GHS02    GHS07    GHS08

**· 신호어 위험**

**· 상표상에 명확히 위험성이 표시된 성분:**

크실렌  
디부틸 프탈레이트

**· 유해·위험문구**

인화성 액체 및 증기  
물과 접촉 시 자연발화 가능성이 있는 인화성 가스를 발생시킴  
흡입하면 유해함  
피부에 자극을 일으킴  
태아 또는 생식능력에 손상을 일으킬 수 있음

**· 예방조치문구**

열·스파크·화염·고열로부터 멀리하시오 - 금연  
격렬한 반응 및 화재의 가능성이 있으므로 물과 접촉하지 않게 하시오.  
불활성 기체 하에서 취급하고, 습기를 방지하시오.  
피부(또는 머리카락)에 묻으면 오염된 모든 의복은 벗거나 제거하시오. 피부를 물로 씻으시오/샤워하시오 .  
밀봉하여 저장하시오.  
(지방/지역/국가/국제 규정에 따라) 에 내용물/용기를 폐기하시오.

(10 쪽에계속)

물질안전보건자료  
GHS에 따라

인쇄일자: 2022.05.12

개정: 2022.05.12

**제품명: DPX Mounting Medium**

· **화학물질 안전성 평가:** 화학물질 안전성 평가가 수행되지 않음

(9 쪽부터계속)

**16 그 밖의 참고사항**

이 보고는 우리 지식에 대한 오늘날의 상태에 대하여 평가하고 있다  
 하지만 이 보고서는 생산 특성에 관한 보증은 기술하지 않았으며 계약적인 법률 관계에 기반을 두고 있지 않다

· **담당자:**

· **최초 작성일자:** 2022.05.12

· **개정 횟수 및 최종 개정일자:** 1 / 2022.05.12

· **약어와 두문자어:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

# Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022

## 1 Pengenalan bahan kimia berbahaya dan pembekal

- **Pengenal pasti produk**
- **Nama dagang:** DPX Mounting Medium
- **Nombor artikel:** 13510, 13512, EMS/SEA1300-00A
- **Kegunaan yang disarankan bagi bahan dan sekatan penggunaan** Tiada maklumat lanjut yang diperolehi.
- **Penggunaan bahan/sediaan** Bahan kimia makmal
- **Perincian pembekal risalah data keselamatan**
- **Pengilang/Pembekal:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- **Maklumat lanjut dapat diperolehi daripada:** Product safety department
- **Nombor telefon kecemasan:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## 2 Pengenalan bahaya

- **Pengelasan bahan atau campuran**



Nyalaan

Cec. M. Bkr 3 H226 Cecair dan wap mudah terbakar.

Tdk. Bls. Air 1 H260 Jika terkena air, membebaskan gas mudah terbakar yang boleh mencucuh dengan spontan.



Bahaya kesihatan

Pemb. 1B H360 Boleh merosakkan kesuburan atau janin.



Toks. Akut 4 H332 Memudaratkan jika tersedut.

Kreng. Kulit 2 H315 Menyebabkan kerengsaan kulit.

- **Melabelkan unsur**
- **Unsur label GHS** Produk ini dikelaskan dan dilabelkan menurut Sistem Terharmoni Global (GHS).
- **Piktogram bahaya**



GHS02



GHS07



GHS08

- **Kata isyarat Bahaya**
- **Komponen pelabelan yang menentukan bahaya:**  
xilena  
DBP

(Bersambung ke halaman 2)

## Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022

**Nama dagang: DPX Mounting Medium**

(Sambungan halaman 1)

· **Pernyataan Bahaya**

Cecair dan wap mudah terbakar.

Jika terkena air, membebaskan gas mudah terbakar yang boleh mencucuh dengan spontan.

Memudaratkan jika tersedut.

Menyebabkan kerengsaan kulit.

Boleh merosakkan kesuburan atau janin.

· **Pernyataan Berjaga-jaga**

Jauhkan daripada haba/percikan api/nyalaan terbuka/permukaan panas – Dilarang merokok.

Jauhkan daripada apa-apa kemungkinan terkena air kerana tindak balas kuat dan kebakaran kilat mungkin berlaku.

Kendalikan bahan di bawah gas lengai. Lindungi daripada lembapan.

**JIKA TERKENA KULIT (atau rambut):** Segera tanggalkan/buka semua pakaian yang tercemar. Basuh kulit dengan air/pancuran air.

Simpan di tempat berkunci.

Lupuskan kandungan/bekas menurut peraturan tempatan/wilayah/kebangsaan/antarabangsa.

· **Bahaya lain**

· **Keputusan penilaian PBT dan vPvB**

· **PBT:** Tidak berkenaan

· **vPvB:** Tidak berkenaan

### 3 Komposisi dan maklumat mengenai ramuan bahan kimia berbahaya

· **Ciri kimia:** Campuran

· **Keterangan:** Campuran bahan disenaraikan di bawah bersama dengan bahan tambah tidak berbahaya.

· **Komponen berbahaya :**

1330-20-7	xilena ⚠ Cec. M. Bkr 3, H226; ⚠ Toks. Akut 4, H312; Toks. Akut 4, H332; Kreng. Kulit 2, H315	>50-≤100%
84-74-2	DBP ⚠ Pemb. 1B, H360; ⚠ Akuatik Akut 1, H400	>2.5-≤10%

### 4 Langkah-langkah pertolongan cemas

· **Keterangan langkah pertolongan cemas**

· **Maklumat am:**

Gejala keracunan boleh berlaku selepas beberapa jam, maka rawatan perubatan hendaklah diberikan sekurang-kurangnya 48 jam selepas kemalangan.

· **Jika tersedut:**

Berikan udara bersih. Jika perlu berikan pernafasan bantuan. Pastikan pesakit dalam keadaan selesa. Rujuk doktor jika gejala berterusan.

Jika mangsa tidak sedarkan diri, letakkan pesakit dengan stabil dalam kedudukan mengiring untuk diangkat.

· **Jika terkena kulit:** Segera basuh dengan air dan sabun serta bilas bersih-bersih.

· **Jika terkena mata:** Bilas mata sambil membukanya di bawah air yang mengalir selama beberapa minit.

· **Jika tertelan:** Segera hubungi doctor.

· **Maklumat untuk doktor:**

· **Gejala dan kesan paling penting, akut dan lewat** Tiada maklumat lanjut yang diperoleh.

· **Arahan bagi apa-apa rawatan perubatan dan rawatan khas yang diperlukan**

Tiada maklumat lanjut yang diperoleh.

MY

(Bersambung ke halaman 3)

## Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022

**Nama dagang: DPX Mounting Medium**

(Sambungan halaman 2)

### 5 Langkah-langkah pemadaman kebakaran

- **Bahan pemadam api**
- **Agen pemadam yang sesuai:** CO<sub>2</sub>, pasir, serbuk pemadam kebakaran. Jangan gunakan air.
- **Agen pemadam yang tidak sesuai untuk tujuan keselamatan:** Air dalam pancutan penuh
- **Bahaya khusus yang timbul daripada bahan atau campuran** Tiada maklumat lanjut yang diperoleh.
- **Panduan kepada pemadam kebakaran**
- **Kelengkapan perlindungan:** Peralatan perlindungan pernafasan mulut.

### 6 Langkah-langkah pelepasan tidak sengaja

- **Langkah perlindungan diri, kelengkapan pelindung dan prosedur kecemasan**  
Pakai kelengkapan perlindungan. Jauhkan mereka yang tidak dilindung dari kawasan tercemar.
- **Langkah perlindungan alam sekitar:**  
Hubungi pihak berkuasa berkaitan jika berlaku peresapan masuk ke dalam saluran air atau sistem pembetulan. Jangan biarkannya memasuki pembentung/air permukaan atau tanah.
- **Kaedah dan bahan untuk pembendungan dan pembersihan:**  
Serap dengan bahan cecair pengikat (pasir, diatomit, pengikat asid, pengikat semesta, habuk papan)  
Lupuskan bahan tercemar sebagai sisa mengikut perkara 13.  
Pastikan pengalihudaraan mencukupi.  
Jangan jirus dengan air atau agen pencuci akueus.
- **Rujukan ke bahagian lain**  
Lihat Bahagian 7 untuk maklumat pengendalian yang selamat.  
Lihat Bahagian 8 untuk maklumat kelengkapan perlindungan diri.  
Lihat Bahagian 13 untuk maklumat pelupusan.

### 7 Pengendalian dan penyimpanan

- **Pengendalian:**
- **Langkah perlindungan untuk pengendalian selamat**  
Pastikan pengalihudaraan/ekzos yang mencukupi di tempat kerja.  
Buka dan kendalikan bekas dengan cermat.  
Elakkan pembentukan aerosol.
- **Maklumat kebakaran dan perlindungan daripada letupan:**  
Jauhkan dari punca pencucuhan - Dilarang merokok.  
Lindungi daripada haba.  
Lindungi daripada cas-cas elektrostatik.  
Pastikan alat perlindungan pernafasan sentiasa ada.
- **Keadaan untuk penyimpanan selamat, termasuk apa-apa ketakserasian**
- **Penyimpanan:**
- **Keperluan yang mesti dipenuhi oleh bilik stor dan ruang simpanan.** Tiada keperluan khusus.
- **Maklumat penyimpanan di dalam satu tempat penyimpanan yang biasa:** Tidak diperlukan.
- **Maklumat lanjut tentang syarat penyimpanan:**  
Pastikan bekas sentiasa bertutup rapat.  
Simpan di tempat yang sejuk dan kering di dalam bekas bertutup rapat.  
Lindungi daripada haba dan pancaran terus cahaya matahari.
- **Kegunaan akhir yang khusus** Tiada maklumat lanjut yang diperoleh.

MY

(Bersambung ke halaman 4)



## Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022

**Nama dagang: DPX Mounting Medium**

(Sambungan halaman 3)

### 8 Kawalan pendedahan dan perlindungan diri

· **Maklumat tambahan tentang reka bentuk kemudahan teknikal:** Tiada maklumat lanjut, lihat perkara 7.

· **Parameter kawalan**

· **Ramuhan dengan nilai had yang memerlukan pemantauan di tempat kerja:**

**84-74-2 DBP**

PEL | Nilai jangka panjang: 5 mg/m<sup>3</sup>

· **Maklumat tambahan:** Senarai yang sah semasa pembuatan digunakan sebagai asas.

· **Kawalan pendedahan**

· **Kelengkapan perlindungan diri:**

· **Langkah perlindungan dan kebersihan am:**

Jauhkan daripada makanan, minuman dan makanan haiwan.

Segera tanggalkan semua pakaian yang tercemar dan kotor.

Basuh tangan sebelum berhenti rehat dan apabila kerja selesai.

Simpan pakaian perlindungan secara berasingan.

Elakkan daripada terkena kulit.

Elakkan daripada terkena mata dan kulit.

· **Perlindungan pernafasan:**

Jika berlaku pendedahan sekejap atau sedikit pencemaran, gunakan alat penapis pernafasan. Jika berlaku pendedahan yang intensif atau berpanjangan, gunakan alat pernafasan perlindungan serba lengkap.

· **Perlindungan tangan:**



Sarung tangan pelindung.

Bahan sarung tangan hendaklah telus dan kalis terhadap produk/bahan/sediaan.

Oleh sebab tiada ujian yang dijalankan, maka tiada syor bagi bahan sarung tangan yang boleh diberikan untuk produk/sediaan/campuran kimia.

Pemilihan bahan sarung tangan berdasarkan waktu penembusan, kadar pembauran dan degradasi.

· **Bahan sarung tangan**

Pemilihan sarung tangan yang sesuai bukan hanya bergantung pada bahannya, tetapi juga tanda kualiti lainnya serta perbezaannya daripada satu pengeluar dengan pengeluar yang lain. Memandangkan produk merupakan suatu sediaan daripada beberapa bahan, ketahanan bahan sarung tangan tidak boleh dipastikan terlebih dahulu, oleh itu sarung tangan hendaklah diperiksa sebelum digunakan.

· **Jangka masa penyerapan bahan sarung tangan**

Waktu kemunculan yang tepat hendaklah diperoleh pengeluar sarung tangan pelindung dan hendaklah dipatuhi.

· **Perlindungan mata:**



Gogal bertutup rapat

### 9 Sifat fizikal dan kimia

· **Maklumat tentang ciri fizik dan kimia**

· **Maklumat Am**

· **Rupa:**

**Bentuk:**

Cecair

**Warna:**

Tidak berwarna

(Bersambung ke halaman 5)

## Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022

Nama dagang: **DPX Mounting Medium**

(Sambungan halaman 4)

· <b>Bau:</b>	Ciri
· <b>Ambang bau</b>	Tidak ditentukan.
· <b>Nilai pH:</b>	Tidak ditentukan.
· <b>Perubahan pada keadaan Takat lebur/takat beku Takat didih awal dan julat didih</b>	Tidak ditentukan. 144 °C
· <b>Takat kilat:</b>	28 °C
· <b>Kemudahbakaran (pepejal, gas)</b>	Tidak berkenaan
· <b>Suhu pencucuhan:</b>	390 °C
· <b>Suhu penguraian:</b>	Tidak ditentukan.
· <b>Suhu pengautocucuhan</b>	Mudah terbakar secara spontan di udara.
· <b>Bahaya letupan:</b>	Produk tidak mudah meletup. Walau bagaimanapun, pembentukan campuran udara/wap mungkin berlaku.
· <b>Had letupan :</b>	
· <b>Bawah:</b>	0.1 Vol %
· <b>Atas:</b>	7 Vol %
· <b>Tekanan wap pada 20 °C:</b>	6.7 hPa
· <b>Ketumpatan pada 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Ketumpatan bandingan</b>	Tidak ditentukan.
· <b>Ketumpatan wap</b>	Tidak ditentukan.
· <b>Kadar penyejatan</b>	Tidak ditentukan.
· <b>Keterlarutan dalam / Keterlarutcampuran dengan Air:</b>	Tidak terlarut campur atau sukar bercampur.
· <b>Pekali sekatan: n-oktanol/air</b>	Tidak ditentukan.
· <b>Kelikatan:</b>	
· <b>Dinamik:</b>	Tidak ditentukan.
· <b>Kinematik:</b>	Tidak ditentukan.
· <b>Kandungan pelarut:</b>	
· <b>Pelarut organik:</b>	90.0 %
· <b>Kandungan pepejal:</b>	0.0 %
· <b>Maklumat lain</b>	Tiada maklumat lanjut yang diperoleh.

### 10 Kestabilan dan kereaktifan

- **Kereaktifan** Tiada maklumat lanjut yang diperoleh.
- **Kestabilan kimia**
- **Penguraian terma/keadaan yang perlu dielakkan:** Tiada penguraian jika digunakan mengikut spesifikasi.
- **Kemungkinan tindak balas berbahaya** Terkena air membebaskan gas mudah terbakar.
- **Keadaan yang perlu dielakkan** Tiada maklumat lanjut yang diperoleh.
- **Bahan tidak serasi:** Tiada maklumat lanjut yang diperoleh.
- **Produk penguraian yang berbahaya:** Tiada produk penguraian berbahaya yang diketahui.

MY

(Bersambung ke halaman 6)

## Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022

**Nama dagang: DPX Mounting Medium**

(Sambungan halaman 5)

### 11 Maklumat toksikologi

- **Maklumat tentang kesan toksikologi**
- **Ketoksikan akut:**

- **Nilai LD/LC50 yang berkaitan untuk pengelasan:**

#### 1330-20-7 xilena

Oral	LD50	4,300 mg/kg (rat)
Derma	LD50	2,000 mg/kg (rabbit)

#### 84-74-2 DBP

Oral	LD50	8,000 mg/kg (rat)
Derma	LD50	20,000 mg/kg (rabbit)

- **Kesan kerengsaan primer:**
- **Kakisan atau kerengsaan kulit** Merengsa kepada kulit dan mukus membran.
- **Kerosakan atau kerengsaan mata yang serius** Tiada kesan kerengsaan.
- **Pemekaan pernafasan / kulit** Tiada kesan pemekaan yang diketahui.
- **Maklumat tambahan toksikologi:**  
Produk menunjukkan bahaya berikut mengikut kaedah pengiraan Garis Panduan Pengelasan Am EU bagi Sediaan seperti yang dikeluarkan dalam versi terbaru:  
Memudaratkan  
Perengsa
- **Maklumat bagi kumpulan berikut tentang kesan yang mungkin timbul.**
- **Kesan CMR (karsinogen, mutagen dan gangguan kesuburan)**  
Pemb. 1B

### 12 Maklumat ekologi

- **Ketoksikan**
- **Ketoksikan akuatik:** Tiada maklumat lanjut yang diperoleh.
- **Keterusan dan keterdegradasikan** Tiada maklumat lanjut yang diperoleh.
- **Kelakuan dalam sistem alam sekitar:**
- **Potensi bioakumulatif** Tiada maklumat lanjut yang diperoleh.
- **Mobiliti di dalam tanah** Tiada maklumat lanjut yang diperoleh.
- **Kesan ekotoksik:**
- **Catatan:** Toksik kepada ikan.
- **Maklumat tambahan ekologi:**
- **Nota am:**  
Bahaya air kelas 2 (Peraturan Jerman) (Penilaian sendiri): berbahaya kepada air  
Jangan biarkan produk memasuki air tanah, saluran air atau sistem pementungan.  
Bahaya kepada air minuman walaupun amat sedikit produk memasuki tanah.  
Juga beracun kepada ikan dan plankton dalam jasad air  
Toksik kepada organisma akuatik
- **Keputusan penilaian PBT dan vPvB**
- **PBT:** Tidak berkenaan
- **vPvB:** Tidak berkenaan
- **Kesan buruk yang lain** Tiada maklumat lanjut yang diperoleh.

MY

(Bersambung ke halaman 7)

## Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022


**Nama dagang: DPX Mounting Medium**

(Sambungan halaman 6)

### 13 Maklumat pelupusan

- **Kaedah rawatan sisa**
- **Syor:**  
Tidak boleh dilupuskan bersama dengan sampah isi rumah. Jangan biarkan produk memasuki sistem pembentungan.
- **Pembungkusan yang tidak bersih:**
- **Syor:** Pelupusan mestilah dijalankan menurut peraturan rasmi

### 14 Maklumat pengangkutan

· <b>Nombor UN</b> · <b>ADR, IMDG, IATA</b>	UN1993
· <b>Nama penghantaran UN yang betul</b> · <b>ADR</b> · <b>IMDG, IATA</b>	1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES) FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
· <b>pengangkutan kelas bahaya</b> · <b>ADR, IMDG, IATA</b>	
	
· <b>Kelas</b> · <b>Label</b>	3 Cecair mudah terbakar. 3
· <b>Kumpulan pembungkusan</b> · <b>ADR, IMDG, IATA</b>	III
· <b>Hazard persekitaran:</b>	Produk mengandungi bahan yang berbahaya kepada alam sekitar: DBP
· <b>Langkah perlindungan khas untuk pengguna</b> · <b>Kod bahaya (Kemler):</b> · <b>Nombor EMS:</b> · <b>Stowage Category</b>	Amaran: Cecair mudah terbakar. 33 F-E,S-E A
· <b>Pengangkutan dalam pukal menurut Lampiran II MARPOL 73/78 dan Kod IBC</b>	Tidak berkenaan
· <b>Pengangkutan/Maklumat Tambahan:</b>	
· <b>ADR</b> · <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>IMDG</b> · <b>Limited quantities (LQ)</b>	5L

(Bersambung ke halaman 8)

MY

## Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022

**Nama dagang: DPX Mounting Medium**

(Sambungan halaman 7)

· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>"Peraturan Model" UN:</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, III

### 15 Maklumat pengawalseliaan

- **Peraturan/undang-undang keselamatan, kesihatan dan persekitaran khusus untuk bahan atau campuran tersebut**

Tiada maklumat lanjut yang diperolehi.

- **Senarai Rujukan Bahan Berbahaya Alam Sekitar**

Semua ramuan disenaraikan.

- **Unsur label GHS** Produk ini dikelaskan dan dilabelkan menurut Sistem Terharmonisasi Global (GHS).

- **Piktogram hazard**



GHS02    GHS07    GHS08

- **Perkataan isyarat Bahaya**

- **Komponen pelabelan yang menentukan bahaya:**

xilena

DBP

- **Pernyataan hazard**

Cecair dan wap mudah terbakar.

Jika terkena air, membebaskan gas mudah terbakar yang boleh mencucuh dengan spontan.

Memudaratkan jika tersedut.

Menyebabkan kerengsaan kulit.

Boleh merosakkan kesuburan atau janin.

- **Pernyataan langkah perlindungan**

Jauhkan daripada haba/percikan api/nyalaan terbuka/permukaan panas – Dilarang merokok.

Jauhkan daripada apa-apa kemungkinan terkena air kerana tindak balas kuat dan kebakaran kilat mungkin berlaku.

Kendalikan bahan di bawah gas lengai. Lindungi daripada lembapan.

**JIKA TERKENA KULIT (atau rambut):** Segera tanggalkan/buka semua pakaian yang tercemar. Basuh kulit dengan air/pancuran air.

Simpan di tempat berkunci.

Lupuskan kandungan/bekas menurut peraturan tempatan/wilayah/kebangsaan/antarabangsa.

- **Penilaian keselamatan bahan kimia:** Penilaian Keselamatan Bahan Kimia belum dilakukan.

### 16 Maklumat lain

Maklumat ini berdasarkan maklumat kami yang terkini. Walau bagaimanapun, ini tidak akan menjadi jaminan bagi apa-apa ciri produk yang khusus dan tidak akan mewujudkan hubungan kontraktual yang sah dari segi undang-undang.

(Bersambung ke halaman 9)

## Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 12.05.2022

Disemak semula pada 12.05.2022

**Nama dagang: DPX Mounting Medium**

(Sambungan halaman 8)

**· Hubungi:****· Singkatan dan akronim:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Cec. M. Bkr 3: Cecair mudah terbakar – Kategori 3*

*Tdk. Bls. Air 1: Bahan kimia yang, jika terkena air, membebaskan gas mudah terbakar – Kategori 1*

*Toks. Akut 4: Ketoksikan akut – Kategori 4*

*Kreng. Kulit 2: Kakisan atau kerengsaan kulit – Kategori 2*

*Pemb. 1B: Ketoksikan pembiakan – Kategori 1B*

*Akuatik Akut 1: Berbahaya kepada persekitaran akuatik - bahaya akut – Kategori 1*

-MY-

# 安全資料表

## 根據 危害性化學品標示及通識規則

打印日期 2022.05.12

在 2022.05.12 審核

### 1 化學品與廠商資料

- 產品識別者
- 化學品中文(英文)名稱, 化學品俗名或商品名: DPX Mounting Medium
- 商品編號: 13510, 13512, EMS/SEA1300-00A
- 相應純物質或者混合物的相關下位用途及禁止用途 無相關詳細資料。
- 物質或混合物的用途 實驗室化學物
- 安全技術說明書內供應商詳細信息
- 企業名稱:  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- 可獲取更多資料的部門: Product safety department
- 緊急聯繫電話號碼:  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2 危害辨識資料

#### · 緊急情況概述:

無色的, 液體, 易燃液體和蒸氣。遇水放出可能自燃的易燃氣體。吞食或皮膚接觸可能有害。吸入有害。造成皮膚刺激。可能對生育能力或對胎兒造成傷害。對水生生物有毒。

#### · GHS危險性類別



火焰

易燃液體 第3級

H226 易燃液體和蒸氣

禁水性物質 第1級

H260 遇水放出可能自燃的易燃氣體



健康危險

生殖毒性物質 第1B級

H360 可能對生育能力或對胎兒造成傷害



急毒性物質(吸入) 第4級

H332 吸入有害

腐蝕/刺激皮膚物質 第2級

H315 造成皮膚刺激

急毒性物質(吞食) 第5級

H303 吞食可能有害

急毒性物質(皮膚) 第5級

H313 皮膚接觸可能有害

水環境之危害物質(急毒性) 第2級 H401 對水生生物有毒

#### · 標籤要素

- GHS標籤元素 本產品根據化學物質分類及標記全球協調制度(GHS)進行了分類及標記。

(在 2 頁繼續)



# 安全資料表

## 根據 危害性化學品標示及通識規則

打印日期 2022.05.12

在 2022.05.12 審核

化學品中文(英文)名稱, 化學品俗名或商品名: DPX Mounting Medium

(在 1 頁繼續)

## · 象形圖



GHS02 GHS07 GHS08

## · 警示詞 危險

## · 標籤上辨別危險的成份:

二甲苯異構體混合物

鄰苯二甲酸二丁酯

## · 危險性說明

易燃液體和蒸氣

遇水放出可能自燃的易燃氣體

吞食或皮膚接觸可能有害

吸入有害

造成皮膚刺激

可能對生育能力或對胎兒造成傷害

對水生生物有毒

## · 防範說明

## · 預防措施

遠離熱源/火花/明火/熱表面。—禁止抽菸。

因會發生劇烈反應和可能閃燃, 需避免任何與水接觸的可能。

在惰性氣體中操作。防潮。

## · 事故響應

如皮膚(或頭髮)沾染: 立即移除或脫掉所有沾染的衣物。用水沖洗/淋洗皮膚。

## · 安全貯存

加鎖存放。

## · 廢棄處置

按照地方/區域/國家/國際法規處理內容物之廢棄/容器。

## · 其他有害性

· PBT(殘留性、生物濃縮性、毒性物質) 及 vPvB(高殘留性、高生物濃縮性物質) 評價結果

· PBT(殘留性、生物濃縮性、毒性物質) 不適用的

· vPvB(高殘留性、高生物濃縮性物質): 不適用的

### 3 成分辨識資料

## · 混合物

· 描述: 由以下含有無害添加劑的成分組成的混合物

## · 危險的成分:

1330-20-7	二甲苯異構體混合物	>50-≤100%
	⚠ 易燃液體 第3級, H226; ⚠ 急毒性物質(皮膚) 第4級, H312; 急毒性物質(吸入) 第4級, H332; 腐蝕/刺激皮膚物質 第2級, H315; 急毒性物質(吞食) 第5級, H303	
84-74-2	鄰苯二甲酸二丁酯	>2.5-≤10%
	⚠ 生殖毒性物質 第1B級, H360; ⚠ 水環境之危害物質(急毒性) 第1級, H400	

### 4 急救措施

## · 應急措施要領

· 總說明: 中毒的症狀可能會在幾個小時以後才出現;因此在發生事故之後起碼要有 48 小時的醫療觀察。

(在 3 頁繼續)

# 安全資料表

## 根據 危害性化學品標示及通識規則

打印日期 2022.05.12

在 2022.05.12 審核

化學品中文(英文)名稱, 化學品俗名或商品名: DPX Mounting Medium

(在 2 頁繼續)

- **吸入:**  
供給新鮮空氣. 如有需要, 提供人工呼吸. 讓病人保暖. 如果症狀持續則詢問醫生.  
萬一病人不清醒時, 請讓病人側趟以便移動.
- **皮膚接觸:** 馬上用水和肥皂進行徹底的沖洗.
- **眼睛接觸:** 張開眼睛在流水下沖洗數分鐘.
- **食入:** 馬上召喚醫生.
- **給醫生的資料:**  
· **最重要的急慢性症狀及其影響** 無相關詳細資料。  
· **需要及時的醫療處理及特別處理的症狀** 無相關詳細資料。

### 5 滅火措施

- **滅火方法**
- **滅火的方法和滅火劑:** 使用二氧化碳 (CO<sub>2</sub>)、沙粒、滅火粉末. 切勿使用水.
- **為了安全, 不適當的滅火劑會:** 使用全噴嘴的水
- **特別危險性** 無相關詳細資料.
- **特殊滅火方法**
- **消防人員特殊的防護裝備:** 口腔呼吸保護裝置.

### 6 洩漏處理方法

- **保護措施** 帶上保護儀器. 讓未受到保護的人們遠離.
- **環境保護措施:**  
如果滲入了水源或汗水系統, 請通知有關當局.  
切勿讓其進入下水道/水面或地下水.
- **密封及淨化方法和材料:**  
吸收液體粘合原料 (沙粒、矽藻土、酸性粘合劑、通用粘合劑、鋸屑).  
根據第 13 條條款棄置受汙染物.  
確保有足夠的通風裝置.  
切勿用水或水溶清潔劑來沖清.
- **參照其他部分**  
有關安全處理的資料請參閱第 7 節.  
有關個人保護裝備的資料請參閱第 8 節.  
有關棄置的資料請參閱第 13 節.

### 7 安全處置與儲存方法

- **操作處置**
- **儲存**  
確保工作間有良好的通風/排氣裝置.  
小心打開及處理貯藏器.  
防止氣溶膠的形成.
- **有關火災及防止爆炸的資料:**  
遠離火源 一切勿吸煙.  
防熱.  
防靜電.  
提供呼吸保護裝置.
- **混合危險性等安全儲存條件**
- **儲存:**  
· **儲存庫和容器須要達到的要求:** 沒有特別的要求.  
· **有關使用一個普通的儲存設施來儲存的資料:** 不需要.

(在 4 頁繼續)

# 安全資料表

## 根據 危害性化學品標示及通識規則

打印日期 2022.05.12

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化學品中文(英文)名稱, 化學品俗名或商品名: DPX Mounting Medium

(在 3 頁繼續)

- 有關儲存條件的更多資料:  
將容器密封。  
儲存密封的貯藏器內,並放在陰涼、幹爽的位置。  
免受接觸熱力和直接受陽光照射。
- 具體的最終用戶 無相關詳細資料。

## 8 暴露預防措施

- 工程控制方法: 沒有進一步數據,見第 7 項。
- 控制變數

### · 在工作場需要監控的限值成分

#### 1330-20-7 二甲苯異構體混合物

PEL (TW)	PC-TWA: 434 mg/m <sup>3</sup> , 100 ppm
OEL (CN)	PC-STEL: 100 mg/m <sup>3</sup> PC-TWA: 50 mg/m <sup>3</sup>

#### 84-74-2 鄰苯二甲酸二丁酯

PEL (TW)	PC-TWA: 5 mg/m <sup>3</sup>
OEL (CN)	PC-TWA: 2.5 mg/m <sup>3</sup>

- 額外的資料: 制作期間有效的清單將作為基礎來使用。

### · 遺漏控制

### · 個人防護設備:

#### · 一般保護和衛生措施:

- 遠離食品、飲料和飼料。
- 立即除去所有的不潔的和被污染的衣服。
- 在休息之前和工作完畢後請清洗雙手。
- 分開儲存保護性衣服。

避免和皮膚接觸。

避免和眼睛及皮膚接觸。

### · 呼吸系統防護:

- 如果曾短暫接觸或在低污染的情況下
- 如果曾深入或較長時間接觸,請使用獨立的呼吸保護裝置。

請使用呼吸過濾裝置

### · 手防護:



保護手套

手套的物料必須是不滲透性的,且能抵抗該產品/物質/添加劑。  
基於缺乏測試,對於產品/制劑/化學混合物,並不會提供手套材料的建議。  
選擇手套材料時,請注意材料的滲透時間,滲濾率和降解參數。

### · 手套材料

選擇合適的手套不單取決於材料,亦取決於質量特征,以及來自哪一間生產廠家,因為該產品是由很多材料配制而成,手套材料的抵抗力並不可預計,所以,必須在使用之前進行檢查。

- 滲入手套材料的時間 請向勞保手套生產廠家獲取準確的破裂時間並觀察實際的破裂時間

(在 5 頁繼續)

# 安全資料表

## 根據 危害性化學品標示及通識規則

打印日期 2022.05.12

在 2022.05.12 審核

化學品中文(英文)名稱, 化學品俗名或商品名: DPX Mounting Medium

(在 4 頁繼續)

· 眼睛防護:



密封的護目鏡

### 9 物理及化學性質

· 有關基本物理及化學特性的資訊

· 一般說明

· 外觀:

· 形狀: 液體

· 顏色: 無色的

· 氣味: 有特性的

· 嗅覺閾限 未決定.

· pH值: 未決定.

· 條件的更改

· 熔點: 未確定的

· 沸點/初沸點和沸程: 144 °C

· 閃點: 28 °C

· 可燃性 (固體、氣體): 不適用的

· 點火溫度: 390 °C

· 分解溫度: 未決定.

· 自燃溫度: 在空氣中是自發點燃的.

· 爆炸的危險性: 該產品並非爆炸性的然而有可能形成可爆炸性的空氣/蒸汽混合物

· 爆炸極限:

· 較低: 0.1 Vol %

· 較高: 7 Vol %

· 蒸氣壓 在 20 °C: 6.7 hPa

· 密度 在 20 °C: 1 g/cm<sup>3</sup>

· 相對密度 未決定.

· 蒸氣密度 未決定.

· 蒸發速率 未決定.

· 溶解性

· 水: 不能拌和的或難以拌和

· n-辛醇/水分配係數: 未決定.

· 黏性:

· 動態: 未決定.

· 運動學的: 未決定.

· 溶劑成份:

· 有機溶劑: 90.0 %

· 固體成份: 0.0 %

(在 6 頁繼續)

# 安全資料表

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(在 5 頁繼續)

· 其他資訊 無相關詳細資料。

### 10 安定性及反應性

- 反應性 無相關詳細資料。
- 穩定性
- 熱分解/要避免的情況: 如果遵照規格使用則不會分解。
- 有害反應可能性 和水接觸時釋放可燃氣體。
- 應避免的條件 無相關詳細資料。
- 不相容的物質: 無相關詳細資料。
- 危險的分解產物: 未知有危險的分解產品。

### 11 毒性資料

- 對毒性學影響的資訊

- 急性毒性:

- 與分類相關的 LD/ LC50 值:

1330-20-7 二甲苯異構體混合物

口腔 LD50 4,300 mg/kg (rat)

皮膚 LD50 2,000 mg/kg (rabbit)

84-74-2 鄰苯二甲酸二丁酯

口腔 LD50 8,000 mg/kg (rat)

皮膚 LD50 20,000 mg/kg (rabbit)

- 主要的刺激性影響:

- 皮膚: 刺激皮膚和粘膜。

- 在眼睛上面: 沒有刺激的影響。

- 致敏作用: 沒有已知的敏化影響。

- 更多毒物的資料:

根據有關配制的一般歐盟分類指南的計算方法 (刊印在最新版本), 該產品顯示以下的危險:

有害的

刺激性的

- 對以下組別可能產生影響的資料:

- CMR作用 (致癌、導致基因突變、對生殖系統有害)

生殖毒性物質 第1B級

### 12 生態資料

- 生態毒性

- 水生毒性: 無相關詳細資料。

- 持久性和降解性 無相關詳細資料。

- 環境系統習性:

- 潛在的生物累積性 無相關詳細資料。

- 土壤內移動性 無相關詳細資料。

- 生態毒性的影響:

- 備注: 對魚類有毒

- 額外的生態學資料:

- 總括注解:

水危害級別 2 (德國規例) (通過名單進行自我評估): 對水是危害的

(在 7 頁繼續)

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不要讓該產品接觸地下水、水道或汗水系統。  
即使是少量的產品滲入地下也會對飲用水造成危險。  
對水體中的魚和浮遊生物也有毒害。  
對水中的有機物有毒。

- PBT(殘留性、生物濃縮性、毒性物質) 及 vPvB(高殘留性、高生物濃縮性物質) 評價結果
- PBT(殘留性、生物濃縮性、毒性物質) 不適用的
- vPvB(高殘留性、高生物濃縮性物質): 不適用的
- 其他副作用 無相關詳細資料。

### 13 廢棄處置方法

- 廢棄處置方法
- 建議: 不能將該產品和家居垃圾一起丟棄. 不要讓該產品接觸汗水系統.
- 受污染的容器和包裝:
- 建議: 必須根據官方的規章來丟棄.

### 14 運送資料

· 聯合國危險貨物編號(UN號)	
· ADR, IMDG, IATA	UN1993
· UN適當裝船名	
· ADR	1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
· 運輸危險等級	
· ADR, IMDG, IATA	
	
· 級別	3 易燃液體
· 標籤	3
· 包裝組別	
· ADR, IMDG, IATA	III
· 環境危害	該產品含有對環境有害的原料: 鄰苯二甲酸二丁酯
· 用戶特別預防措施	警告: 易燃液體
· 危險編碼:	33
· EMS 號碼:	F-E,S-E
· Stowage Category	A
· MARPOL73/78(針對船舶引起的海洋污染預防協約)附件書2及根據IBC Code(國際裝船貨物編碼)的大量運送	不適用的

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# 安全資料表

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(在 7 頁繼續)

## · 運輸/額外的資料:

## · ADR

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

## · IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

## · UN "標準規定":

UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, III

### 15 法規資料

· 對相應純物質或者混合物的安全、保健及環境法規/法律 無相關詳細資料。

· 優先管理化學品之指定及運作管理辦法

· 附表一-對於未滿十八歲及妊娠或分娩後未滿一年女性勞工具危害性之化學品

沒有列出成份

· 第二條第二款第一目

沒有列出成份

· 第二條第二款第二目

1330-20-7 | 二甲苯異構體混合物

· 新化學物質及既有化學物質資料登錄辦法 英

沒有列出成份

· 中國現有化學物質名錄

列出所有成分

· TCSCA

· 列管編號

84-74-2 | 鄰苯二甲酸二丁酯

80/02

· 毒性分類

84-74-2 | 鄰苯二甲酸二丁酯

1, 2

· 管制濃度 (w/w%)

84-74-2 | 鄰苯二甲酸二丁酯

10

· 大量運作基準(公斤)

84-74-2 | 鄰苯二甲酸二丁酯

50

· 新化學物質及既有化學物質資料登錄辦法, 附表六

沒有列出成份

· TCSI - Taiwan Chemical Substance Inventory

列出所有成分

· GHS標籤元素 本產品根據化學物質分類及標記全球協調制度(GHS)進行了分類及標記。

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# 安全資料表

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## · 象形圖



GHS02 GHS07 GHS08

## · 警示詞 危險

## · 標籤上辨別危險的成份:

二甲苯異構體混合物

鄰苯二甲酸二丁酯

## · 危險性說明

易燃液體和蒸氣

遇水放出可能自燃的易燃氣體

吞食或皮膚接觸可能有害

吸入有害

造成皮膚刺激

可能對生育能力或對胎兒造成傷害

對水生生物有毒

## · 防範說明

## · 預防措施

遠離熱源/火花/明火/熱表面。—禁止抽菸。

因會發生劇烈反應和可能閃燃, 需避免任何與水接觸的可能。

在惰性氣體中操作。防潮。

## · 事故響應

如皮膚(或頭髮)沾染: 立即移除或脫掉所有沾染的衣物。用水沖洗/淋洗皮膚。

## · 安全貯存

加鎖存放。

## · 廢棄處置

按照地方/區域/國家/國際法規處理內容物之廢棄/容器。

## · 化學物質安全性評價: 尚未進行化學物質安全性評價

## 16 其他資料

該資料是基於我們目前的知識

然而,這並不構成對任何特定產品特性的擔保並且不建立一個法律上有效的合同關係。

## · 聯絡:

## · 縮寫:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: 持久性生物累積性有毒物質

vPvB: very Persistent and very Bioaccumulative

易燃液體 第3級: Flammable liquids – Category 3

禁水性物質 第1級: Substances and mixtures which in contact with water emit flammable gases – Category 1

急性毒性物質(吞食) 第5級: Acute toxicity – Category 5

急性毒性物質(皮膚) 第4級: Acute toxicity – Category 4

腐蝕/刺激皮膚物質 第2級: Skin corrosion/irritation – Category 2

生殖毒性物質 第1B級: Reproductive toxicity – Category 1B

水環境之危害物質(急性) 第1級: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

水環境之危害物質(急性) 第2級: Hazardous to the aquatic environment - acute aquatic hazard – Category 2



**Ficha de dados de segurança**  
em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 12.05.2022

Revisão: 12.05.2022

### SECÇÃO 1: Identificação da substância/mistura e da sociedade/empresa

- **1.1 Identificador do produto**
- **Nome comercial:** DPX Mounting Medium
- **Código do produto:** 13510, 13512, EMS/SEA1300-00A
- **UFI:** Q631-M0G1-X00H-3WJ2
- **1.2 Utilizações identificadas relevantes da substância ou mistura e utilizações desaconselhadas**  
Não existe mais nenhuma informação relevante disponível.
- **Utilização da substância / da preparação** Químicos de laboratório
- **1.3 Identificação do fornecedor da ficha de dados de segurança**
- **Fabricante/fornecedor:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: [info@emsdiasum.com](mailto:info@emsdiasum.com)  
[www.emsdiasum.com](http://www.emsdiasum.com)
- **Entidade para obtenção de informações adicionais:** Product safety department
- **1.4 Número de telefone de emergência:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### SECÇÃO 2: Identificação dos perigos

- **2.1 Classificação da substância ou mistura**
- **Classificação em conformidade com o Regulamento (CE) n.º 1272/2008**



GHS02 chama

Flam. Liq. 3 H226 Líquido e vapor inflamáveis.

Water-react. 1 H260 Em contacto com a água liberta gases que se podem inflamar espontaneamente.



GHS08 perigo para a saúde

Repr. 1B H360Df Pode afectar o nascituro. Suspeito de afectar a fertilidade.



GHS07

Acute Tox. 4 H332 Nocivo por inalação.

Skin Irrit. 2 H315 Provoca irritação cutânea.

- **2.2 Elementos do rótulo**
- **Rotulagem em conformidade com o Regulamento (CE) n.º 1272/2008**  
O produto classificou-se e está etiquetado em conformidade com o regulamento CLP.
- **Pictogramas de perigo**



GHS02



GHS07



GHS08

(continuação na página 2)

# Ficha de dados de segurança

## em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 12.05.2022

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Nome comercial: **DPX Mounting Medium**

(continuação da página 1)

· **Palavra-sinal Perigo**· **Componentes determinantes para os perigos constantes do rótulo:**

xileno

ftalato de dibutilo

· **Advertências de perigo**

H226 Líquido e vapor inflamáveis.

H260 Em contacto com a água liberta gases que se podem inflamar espontaneamente.

H332 Nocivo por inalação.

H315 Provoca irritação cutânea.

H360Df Pode afectar o nascituro. Suspeito de afectar a fertilidade.

· **Recomendações de prudência**

P210 Manter afastado do calor, superfícies quentes, faíscas, chamas abertas e outras fontes de ignição. Não fumar.

P223 Não deixar entrar em contacto com a água.

P231+P232 Manusear e armazenar o conteúdo em atmosfera de gás inerte. Manter ao abrigo da humidade.

P303+P361+P353 SE ENTRAR EM CONTACTO COM A PELE (ou o cabelo): Retirar imediatamente toda a roupa contaminada. Enxaguar a pele com água [ou tomar um duche].

P405 Armazenar em local fechado à chave.

P501 Eliminar o conteúdo/recipiente de acordo com a legislação local/regional/nacional/internacional.

· **2.3 Outros perigos**· **Resultados da avaliação PBT e mPmB**· **PBT:** Não aplicável.· **mPmB:** Não aplicável.

### SECÇÃO 3: Composição/informação sobre os componentes

· **3.2 Caracterização química: Misturas**· **Descrição:** Mistura das seguintes substâncias com aditivos não perigosos.· **Substâncias perigosas:**

CAS: 1330-20-7	xileno	>50-≤100%
EINECS: 215-535-7	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 84-74-2	ftalato de dibutilo	>2,5-≤10%
EINECS: 201-557-4	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400	

· **SVHC**

84-74-2 ftalato de dibutilo

· **Avisos adicionais:** O texto das indicações de perigo aqui incluído poderá ser consultado no capítulo 16.

### SECÇÃO 4: Medidas de primeiros socorros

· **4.1 Descrição das medidas de primeiros socorros**· **Indicações gerais:**

Os sintomas de envenenamento podem surgir apenas após várias horas, por isso é necessária vigilância médica pelo menos 48 horas após o acidente.

· **Em caso de inalação:**

Remover a vítima para um local arejado. Se necessário administrar respiração artificial. Manter a vítima aquecida. Se os sintomas persistirem, consultar o médico.

Se a vítima estiver inconsciente, posicioná-la e transportá-la com estabilidade, deitada lateralmente.

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( continuação da página 2 )

- **Em caso de contacto com a pele:** Lavar imediatamente com água e sabão e enxaguar abundantemente.
- **Em caso de contacto com os olhos:**  
Enxaguar os olhos durante alguns minutos sob água corrente, mantendo as pálpebras abertas.
- **Em caso de ingestão:** Consultar imediatamente o médico
- **4.2 Sintomas e efeitos mais importantes, tanto agudos como retardados**  
Não existe mais nenhuma informação relevante disponível.
- **4.3 Indicações sobre cuidados médicos urgentes e tratamentos especiais necessários**  
Não existe mais nenhuma informação relevante disponível.

### SECCÃO 5: Medidas de combate a incêndios

- **5.1 Meios de extinção**
- **Meios adequados de extinção:** CO<sub>2</sub>, areia, pó extintor. Não usar água.
- **Meios de extinção que não devam ser utilizados por razões de segurança:** Água em jacto
- **5.2 Perigos especiais decorrentes da substância ou mistura**  
Não existe mais nenhuma informação relevante disponível.
- **5.3 Recomendações para o pessoal de combate a incêndios**
- **Equipamento especial de protecção:** Colocar máscara de respiração.

### SECCÃO 6: Medidas a tomar em caso de fugas acidentais

- **6.1 Precauções individuais, equipamento de protecção e procedimentos de emergência**  
Usar equipamento de protecção. Manter as pessoas desprotegidas afastadas.
- **6.2 Precauções a nível ambiental:**  
Em caso de infiltrações nos leitos de água ou na canalização, comunicar aos serviços públicos competentes.  
Evitar que penetre na canalização / águas superficiais / águas subterrâneas.
- **6.3 Métodos e materiais de confinamento e limpeza:**  
Recolher com produtos que absorvam líquidos (areia, seixos, absorventes universais, serradura ).  
Eliminar residualmente as substâncias contaminadas como um resíduo segundo o Ponto 13.  
Assegurar uma ventilação adequada.  
Não limpar com água ou produtos de limpeza aquosos.
- **6.4 Remissão para outras secções**  
Para informações sobre uma manipulação segura, ver o capítulo 7.  
Para informações referentes ao equipamento de protecção individual, ver o capítulo 8.  
Para informações referentes à eliminação residual, ver o capítulo 13.

### SECCÃO 7: Manuseamento e armazenagem

- **7.1 Precauções para um manuseamento seguro**  
Assegurar uma boa ventilação / exaustão no local de trabalho.  
Abrir e manusear o recipiente com cuidado  
Evitar a formação de aerossóis.
- **Precauções para prevenir incêndios e explosões:**  
Manter afastado de fontes de ignição - não fumar.  
Proteger do calor.  
Proteger contra descargas electrostáticas.  
Manter uma máscara de respiração sempre preparada.
- **7.2 Condições de armazenagem segura, incluindo eventuais incompatibilidades**
- **Armazenagem:**
- **Requisitos para espaços ou contentores para armazenagem:** Sem requisitos especiais.
- **Avisos para armazenagem conjunta:** Não necessário.

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# Ficha de dados de segurança

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Nome comercial: **DPX Mounting Medium**

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- **Outros avisos sobre as condições de armazenagem:**  
Manter o recipiente hermeticamente fechado.  
Armazenar em recipientes bem fechados, em local fresco e seco.  
Proteger do calor e da radiação directa do sol.
- **7.3 Utilização(ões) final(is) específica(s)** Não existe mais nenhuma informação relevante disponível.

### SECÇÃO 8: Controlo da exposição/Protecção individual

- **8.1 Parâmetros de controlo**
- **Indicações adicionais para concepção de instalações técnicas:** Não existem outras informações, ver ponto 7.

- **Componentes cujo valor do limite de exposição no local de trabalho deve ser monitorizado:**

#### 1330-20-7 xileno

VLE	Valor para exposição curta: 150 ppm Valor para exposição longa: 100 ppm A4; IBE; Irritação ocular, do TRS; afeção do SNC
-----	--

#### 84-74-2 ftalato de dibutilo

VLE	Valor para exposição longa: 5 mg/m <sup>3</sup> lesão testicular; Irritação ocular, do TRS
-----	---

- **Componentes con valores-limite biológicos:**

#### 1330-20-7 xileno

IBE	1,5 g/g creatinina Amostra: urina Momento da amostragem: Fim do turno Indicador biológico: Ácidos (o, m, p)-metilhipúricos
-----	---

- **Indicações adicionais:** Foram utilizadas como base as listas válidas à data da elaboração.

- **8.2 Controlo da exposição**

- **Equipamento de protecção individual:**

- **Medidas gerais de protecção e higiene:**

Manter afastado de alimentos, bebidas e forragens.  
Despir imediatamente a roupa contaminada e embebida.  
Lavar as mãos antes das pausas e no fim do trabalho.  
Guardar o vestuário de protecção separadamente.  
Evitar o contacto com a pele.  
Evitar o contacto com os olhos e com a pele.

- **Protecção respiratória:**

Utilizar uma máscara respiratória se a exposição for reduzida ou durante um curto espaço de tempo; se esta for mais prolongada ou mais intensa, utilizar uma máscara respiratória independente do ar ambiente.

- **Protecção das mãos:**



Luvas de protecção

O material das luvas tem de ser impermeável e resistente ao produto / à substância / preparação.

Uma vez que não foram realizados testes nesta área, não podemos recomendar um determinado tipo de material para as luvas que seja adequado para o produto / a preparação / a mistura de químicos.

Escolher o material das luvas tendo em consideração a durabilidade, a permeabilidade e a degradação.

- **Material das luvas**

A escolha das luvas mais adequadas não depende apenas do material, mas também de outras características qualitativas e varia de fabricante para fabricante. O facto de o produto ser composto por uma variedade de materiais leva a que não seja possível prever a duração dos mesmos e, conseqüentemente, das luvas, sendo assim necessário proceder a uma verificação antes da sua utilização.

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- **Tempo de penetração no material das luvas**  
Deve informar-se sobre a validade exacta das suas luvas junto do fabricante e respeitá-la.
- **Protecção dos olhos:**



Óculos de protecção totalmente fechados

### SECÇÃO 9: Propriedades físico-químicas

#### · 9.1 Informações sobre propriedades físicas e químicas de base

#### · Informações gerais

#### · Aspeto:

Forma:

Líquido

Cor:

Incolor

#### · Odor:

Característico

#### · Limiar olfactivo:

Não determinado.

#### · valor pH:

Não determinado.

#### · Mudança do estado:

Ponto de fusão/ponto de congelação:

Não determinado.

Ponto de ebulição inicial e intervalo de ebulição: 144 °C

#### · Ponto de inflamação:

28 °C

#### · Inflamabilidade (sólido, gás):

Não aplicável.

#### · Temperatura de ignição:

390 °C

#### · Temperatura de decomposição:

Não determinado.

#### · Temperatura de autoignição:

Espontaneamente inflamável ao ar.

#### · Propriedades explosivas:

O produto não é explosivo. Contudo, é possível a formação de misturas explosivas ar/vapor.

#### · Limites de explosão:

Inferior:

0,1 Vol %

Superior:

7 Vol %

#### · Pressão de vapor em 20 °C:

6,7 hPa

#### · Densidade em 20 °C:

1 g/cm<sup>3</sup>

#### · Densidade relativa

Não determinado.

#### · Densidade de vapor

Não determinado.

#### · Taxa de evaporação:

Não determinado.

#### · Solubilidade em / miscibilidade com água:

Pouco misturável.

#### · Coeficiente de partição: n-octanol/água

Não determinado.

#### · Viscosidade:

Dinâmico:

Não determinado.

Cinemático:

Não determinado.

#### · Percentagem de solvente:

Solventes orgânicos:

90,0 %

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<b>VOC (UE)</b>	90,00 %
<b>Percentagem de substâncias sólidas:</b>	0,0 %
<b>· 9.2 Outras informações</b>	Não existe mais nenhuma informação relevante disponível.

### SECÇÃO 10: Estabilidade e reactividade

- **10.1 Reactividade** Não existe mais nenhuma informação relevante disponível.
- **10.2 Estabilidade química**
- **Decomposição térmica / condições a evitar:** Não existe decomposição se usado de acordo com as especificações.
- **10.3 Possibilidade de reações perigosas** O contacto com a água provoca a libertação de gases inflamáveis.
- **10.4 Condições a evitar** Não existe mais nenhuma informação relevante disponível.
- **10.5 Materiais incompatíveis:** Não existe mais nenhuma informação relevante disponível.
- **10.6 Produtos de decomposição perigosos:** Não se conhecem produtos de decomposição perigosos.

### SECÇÃO 11: Informação toxicológica

- **11.1 Informações sobre os efeitos toxicológicos**
- **Toxicidade aguda**  
Nocivo por inalação.

- **Valores LD/LC50 relevantes para a classificação:**

#### 1330-20-7 xileno

por via oral	LD50	4.300 mg/kg (rat)
por via dérmica	LD50	2.000 mg/kg (rabbit)

#### 84-74-2 ftalato de dibutilo

por via oral	LD50	8.000 mg/kg (rat)
por via dérmica	LD50	20.000 mg/kg (rabbit)

- **Efeito de irritabilidade primário:**
- **Corrosão/irritação cutânea**  
Provoca irritação cutânea.
- **Lesões oculares graves/irritação ocular**  
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Sensibilização respiratória ou cutânea**  
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Avisos adicionais de toxicologia:**
- **Efeitos CMR (carcinogenicidade, mutagenicidade e efeitos tóxicos na reprodução)**
- **Mutagenicidade em células germinativas**  
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Carcinogenicidade** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Toxicidade reprodutiva**  
Pode afectar o nascituro. Suspeito de afectar a fertilidade.
- **Toxicidade para órgãos-alvo específicos (STOT) - exposição única**  
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Toxicidade para órgãos-alvo específicos (STOT) - exposição repetida**  
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Perigo de aspiração** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.

PT

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## SECÇÃO 12: Informação ecológica

- **12.1 Toxicidade**
- **Toxicidade aquática:** Não existe mais nenhuma informação relevante disponível.
- **12.2 Persistência e degradabilidade** Não existe mais nenhuma informação relevante disponível.
- **12.3 Potencial de bioacumulação** Não existe mais nenhuma informação relevante disponível.
- **12.4 Mobilidade no solo** Não existe mais nenhuma informação relevante disponível.
- **Efeitos ecotóxicos:**
- **Observação:** Tóxico para os peixes.
- **Outras indicações ecológicas:**
- **Indicações gerais:**  
Classe de perigo para a água 2 (D) (auto-classificação): perigoso para a água.  
Não deixar chegar às águas subterrâneas, aos cursos de água nem à canalização.  
Perigo de poluição da água potável mesmo se forem derramadas quantidades muito pequenas no subsolo.  
Tóxico nas águas para os peixes e para o plâncton.  
tóxico para os organismos aquáticos
- **12.5 Resultados da avaliação PBT e mPmB**
- **PBT:** Não aplicável.
- **mPmB:** Não aplicável.
- **12.6 Outros efeitos adversos** Não existe mais nenhuma informação relevante disponível.

## SECÇÃO 13: Considerações relativas à eliminação

- **13.1 Métodos de tratamento de resíduos**
- **Recomendação:** Não se pode eliminar juntamente com o lixo doméstico. Não permita que chegue à canalização.
- **Embalagens contaminadas:**
- **Recomendação:** Eliminação residual conforme o regulamento dos serviços públicos.

## SECÇÃO 14: Informações relativas ao transporte

- |  |   |
|--|---|
| · <b>14.1 Número ONU</b>                                   |   |
| · <b>ADR, IMDG, IATA</b>                                   | UN1993  |
| · <b>14.2 Designação oficial de transporte da ONU</b>      |   |
| · <b>ADR</b>   | 1993 LÍQUIDO INFLAMÁVEL, N.S.A. (TOLUENO, XILENOS)                                  |
| · <b>IMDG, IATA</b>  | FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)   |
| · <b>14.3 Classes de perigo para efeitos de transporte</b> |   |
| · <b>ADR, IMDG, IATA</b>                                   |   |
|  |  |
| · <b>Classe</b>  | 3 Líquidos inflamáveis  |
| · <b>Rótulo</b>  | 3   |
| · <b>14.4 Grupo de embalagem</b>                           |   |
| · <b>ADR, IMDG, IATA</b>                                   | III   |

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· 14.5 Perigos para o ambiente:	O produto contém matérias perigosas para o ambiente: ftalato de dibutilo
· 14.6 Precauções especiais para o utilizador	Atenção: Líquidos inflamáveis
· Número de identificação de perigo (Nº Kemler):	33
· Nº EMS:	F-E,S-E
· Stowage Category	A
· 14.7 Transporte a granel em conformidade com o anexo II da Convenção MARPOL e o Código IBC	Não aplicável.
· Transporte/outras informações:	
· ADR	
· Quantidades Limitadas (LQ)	5L
· Quantidades exceptuadas (EQ)	Código: E1 Quantidade líquida máxima por embalagem interior: 30 ml Quantidade líquida máxima por embalagem exterior: 1000 ml
· Categoria de transporte	3
· Código de restrição em túneis	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1993 LÍQUIDO INFLAMÁVEL, N.S.A. (TOLUENO, XILENOS), 3, III

### SECÇÃO 15: Informação sobre regulamentação

- 15.1 Regulamentação/legislação específica para a substância ou mistura em matéria de saúde, segurança e ambiente
- Diretiva 2012/18/UE
- Substâncias perigosas designadas - ANEXO I Nenhum dos componentes se encontra listado.
- Categoria "Seveso"  
O2 Substâncias ou misturas que, em contacto com a água, libertam gases inflamáveis  
P5c LÍQUIDOS INFLAMÁVEIS
- Quantidades-limiar (em toneladas), para a aplicação de requisitos de nível inferior 100 t
- Quantidades-limiar (em toneladas), para a aplicação de requisitos de nível superior 500 t

#### · LISTA DAS SUBSTÂNCIAS SUJEITAS A AUTORIZAÇÃO (ANEXO XIV)

84-74-2 ftalato de dibutilo	Sunset date: a) 2015-02-21, b) 2024-12-14
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- Regulamento (CE) n.º 1907/2006 ANEXO XVII Condições de limitação: 3, 30, 40, 51b

#### · Directiva 2011/65/UE relativa à restrição do uso de determinadas substâncias perigosas em equipamentos eléctricos e electrónicos - Anexo II

84-74-2 ftalato de dibutilo
-----------------------------

- REGULAMENTO (UE) 2019/1148

#### · Anexo I - PRECURSORES DE EXPLOSIVOS OBJETO DE RESTRIÇÕES (Valor-limite máximo para efeitos de licenciamento nos termos do artigo 5.o, n.o 3)

Nenhum dos componentes se encontra listado.

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· **Anexo II - PRECURSORES DE EXPLOSIVOS PASSÍVEIS DE PARTICIPAÇÃO**

Nenhum dos componentes se encontra listado.

· **Regulamento (CE) n.º 273/2004 relativo aos precursores de drogas**

Nenhum dos componentes se encontra listado.

· **Regulamento (CE) n.º 111/2005 que estabelece regras de controlo do comércio de precursores de drogas entre a Comunidade e países terceiros**

Nenhum dos componentes se encontra listado.

· **Disposições nacionais:**

· outros regulamentos, restrições e decretos que proibem

· **Substâncias que suscitam elevada preocupação (SVHC) em conformidade com REACH, artigo 57**

84-74-2 ftalato de dibutilo

· **15.2 Avaliação da segurança química:** Não foi realizada nenhuma Avaliação de Segurança Química.**SECÇÃO 16: Outras informações**

As informações fornecidas baseiam-se no estado actual dos nossos conhecimentos, embora não representem uma garantia das propriedades do produto e não fundamentam uma relação contratual.

· **Frases relevantes**

H226 Líquido e vapor inflamáveis.

H312 Nocivo em contacto com a pele.

H315 Provoca irritação cutânea.

H332 Nocivo por inalação.

H360Df Pode afectar o nascituro. Suspeito de afectar a fertilidade.

H400 Muito tóxico para os organismos aquáticos.

· **Abreviaturas e acrónimos:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Líquidos inflamáveis – Categoria 3

Water-react. 1: Substâncias e misturas que, em contacto com a água, libertam gases inflamáveis – Categoria 1

Acute Tox. 4: Toxicidade aguda – Categoria 4

Skin Irrit. 2: Corrosão/irritação cutânea – Categoria 2

Repr. 1B: Toxicidade reprodutiva – Categoria 1B

Aquatic Acute 1: Perigoso para o ambiente aquático - perigo agudo para o ambiente aquático – Categoria 1

# Ficha de datos de seguridad

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### SECCIÓN 1: Identificación de la sustancia o la mezcla y de la sociedad o la empresa

- **1.1 Identificador del producto**
- **Nombre comercial:** DPX Mounting Medium
- **Número del artículo:** 13510, 13512, EMS/SEA1300-00A
- **UFI:** Q631-M0G1-X00H-3WJ2
- **1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados**  
No existen más datos relevantes disponibles.
- **Utilización del producto / de la elaboración** Sustancias químicas de laboratorio
- **1.3 Datos del proveedor de la ficha de datos de seguridad**
- **Fabricante/distribuidor:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: [info@emsdiasum.com](mailto:info@emsdiasum.com)  
[www.emsdiasum.com](http://www.emsdiasum.com)
- **Aname**  
C/ Perez Galdos no. 2  
28693 Quijorna  
Madrid, Spain  
Tel: +34.91.816.89.50  
Fax: +34.91.816.85.94  
email: [ventas@aname.es](mailto:ventas@aname.es)
- **Área de información:** Product safety department
- **1.4 Teléfono de emergencia:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### SECCIÓN 2: Identificación de los peligros

- **2.1 Clasificación de la sustancia o de la mezcla**
- **Clasificación con arreglo al Reglamento (CE) n° 1272/2008**



GHS02 llama

Flam. Liq. 3 H226 Líquidos y vapores inflamables.

Water-react. 1 H260 En contacto con el agua desprende gases inflamables que pueden inflamarse espontáneamente.



GHS08 peligro para la salud

Repr. 1B H360Df Puede dañar al feto. Se sospecha que perjudica a la fertilidad.



GHS07

Acute Tox. 4 H332 Nocivo en caso de inhalación.

Skin Irrit. 2 H315 Provoca irritación cutánea.

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- **2.2 Elementos de la etiqueta**
- **Etiquetado con arreglo al Reglamento (CE) n° 1272/2008**  
El producto se ha clasificado y etiquetado de conformidad con el reglamento CLP.
- **Pictogramas de peligro**



GHS02 GHS07 GHS08

- **Palabra de advertencia Peligro**
- **Componentes peligrosos a indicar en el etiquetaje:**  
xileno  
ftalato de dibutilo
- **Indicaciones de peligro**  
H226 Líquidos y vapores inflamables.  
H260 En contacto con el agua desprende gases inflamables que pueden inflamarse espontáneamente.  
H332 Nocivo en caso de inhalación.  
H315 Provoca irritación cutánea.  
H360Df Puede dañar al feto. Se sospecha que perjudica a la fertilidad.
- **Consejos de prudencia**  
P210 Mantener alejado del calor, de superficies calientes, de chispas, de llamas abiertas y de cualquier otra fuente de ignición. No fumar.  
P223 Evitar el contacto con el agua.  
P231+P232 Manipular y almacenar el contenido en un medio de gas inerte. Proteger de la humedad.  
P303+P361+P353 EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente toda la ropa contaminada. Enjuagar la piel con agua [o ducharse].  
P405 Guardar bajo llave.  
P501 Eliminar el contenido o el recipiente conforme a la reglamentación local/regional/nacional/internacional.
- **2.3 Otros peligros**
- **Resultados de la valoración PBT y mPmB**
- **PBT:** No aplicable.
- **mPmB:** No aplicable.

### SECCIÓN 3: Composición/información sobre los componentes

- **3.2 Caracterización química: Mezclas**
- **Descripción:** Mezcla formada por las sustancias especificadas a continuación con adiciones no peligrosas.

#### Componentes peligrosos:

CAS: 1330-20-7 EINECS: 215-535-7	xileno ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	>50-≤100%
CAS: 84-74-2 EINECS: 201-557-4	ftalato de dibutilo ⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400	>2,5-≤10%

#### SVHC

84-74-2 ftalato de dibutilo

- **Indicaciones adicionales:** El texto de los posibles riesgos aquí indicados se puede consultar en el capítulo 16.

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### SECCIÓN 4: Primeros auxilios

#### · 4.1 Descripción de los primeros auxilios

##### · Instrucciones generales:

Los síntomas de intoxicación pueden presentarse después de muchas horas, por lo que se requiere una supervisión médica durante un mínimo de 48 horas después del accidente.

##### · En caso de inhalación del producto:

Suministrar aire fresco; eventualmente hacer respiración artificial, calor. Si los trastornos persisten, consultar al médico.

Las personas desmayadas deben tenderse y transportarse de lado con la suficiente estabilidad.

##### · En caso de contacto con la piel: Lavar inmediatamente con agua y jabón y enjuagar bien.

##### · En caso de con los ojos: Limpiar los ojos abiertos durante varios minutos con agua corriente.

##### · En caso de ingestión: Consultar inmediatamente un médico.

#### · 4.2 Principales síntomas y efectos, agudos y retardados No existen más datos relevantes disponibles.

#### · 4.3 Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente

No existen más datos relevantes disponibles.

### SECCIÓN 5: Medidas de lucha contra incendios

#### · 5.1 Medios de extinción

##### · Sustancias extintoras apropiadas: CO<sub>2</sub>, arena, polvo extintor. No utilizar agua.

##### · Sustancias extintoras inapropiadas por razones de seguridad: Agua a pleno chorro

#### · 5.2 Peligros específicos derivados de la sustancia o la mezcla No existen más datos relevantes disponibles.

#### · 5.3 Recomendaciones para el personal de lucha contra incendios

##### · Equipo especial de protección: Colocarse la protección respiratoria.

### SECCIÓN 6: Medidas en caso de vertido accidental

#### · 6.1 Precauciones personales, equipo de protección y procedimientos de emergencia

Llevar puesto equipo de protección. Mantener alejadas las personas sin protección.

#### · 6.2 Precauciones relativas al medio ambiente:

Al penetrar en las aguas o en el alcantarillado, avisar a las autoridades pertinentes.

Evitar que penetre en la canalización /aguas de superficie /agua subterráneas.

#### · 6.3 Métodos y material de contención y de limpieza:

Quitar con material absorbente (arena, kieselgur, aglutinante de ácidos, aglutinante universal, aserrín).

Desechar el material contaminado como vertido según item 13.

Asegurar suficiente ventilación.

No enjuagar con agua ni productos de limpieza acuosos.

#### · 6.4 Referencia a otras secciones

Ver capítulo 7 para mayor información sobre una manipulación segura.

Ver capítulo 8 para mayor información sobre el equipo personal de protección.

Para mayor información sobre cómo desechar el producto, ver capítulo 13.

### SECCIÓN 7: Manipulación y almacenamiento

#### · 7.1 Precauciones para una manipulación segura

Asegurar suficiente ventilación /aspiración en el puesto de trabajo.

Abrir y manejar el recipiente con cuidado.

Evitar la formación de aerosoles.

#### · Prevención de incendios y explosiones:

Mantener alejadas las fuentes de encendido. No fumar.

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Nombre comercial: **DPX Mounting Medium**

( se continua en página 3 )

Proteger del calor.

Tomar medidas contra las cargas electrostáticas.

Tener preparados los aparatos respiratorios.

- **7.2 Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades**

- **Almacenamiento:**

- **Exigencias con respecto al almacén y los recipientes:** No se requieren medidas especiales.

- **Normas en caso de un almacenamiento conjunto:** No es necesario.

- **Indicaciones adicionales sobre las condiciones de almacenamiento:**

- Mantener el recipiente cerrado herméticamente.

- Almacenarlo en envases bien cerrados en un lugar fresco y seco.

- Proteger del calor y de la luz directa del sol.

- **7.3 Usos específicos finales** No existen más datos relevantes disponibles.

### SECCIÓN 8: Controles de exposición/protección individual

- **8.1 Parámetros de control**

- **Instrucciones adicionales para el acondicionamiento de instalaciones técnicas:**

- Sin datos adicionales, ver punto 7.

- **Componentes con valores límite admisibles que deben controlarse en el puesto de trabajo:**

#### 1330-20-7 xileno

LEP	Valor de corta duración: 442 mg/m <sup>3</sup> , 100 ppm Valor de larga duración: 221 mg/m <sup>3</sup> , 50 ppm vía dérmica, VLB, VLI
-----	--

#### 84-74-2 ftalato de dibutilo

LEP	Valor de larga duración: 5 mg/m <sup>3</sup> TR1B, ae, r
-----	---

- **Componentes con valores límite biológicos:**

#### 1330-20-7 xileno

VLB	1 g/g creatinina Muestra: orina Momento de Muestero: Final de la jornada laboral Indicador Biológico: Ácidos metilhipúricos
-----	--

- **Indicaciones adicionales:** Como base se han utilizado las listas vigentes en el momento de la elaboración.

- **8.2 Controles de la exposición**

- **Equipo de protección individual:**

- **Medidas generales de protección e higiene:**

- Mantener alejado de alimentos, bebidas y alimentos para animales.

- Quitarse de inmediato la ropa ensuciada o impregnada.

- Lavarse las manos antes de las pausas y al final del trabajo.

- Guardar la ropa protectora por separado.

- Evitar el contacto con la piel.

- Evitar el contacto con los ojos y la piel.

- **Protección respiratoria:**

- Si la exposición va a ser breve o de poca intensidad, colocarse una máscara respiratoria. Para una exposición más intensa o de mayor duración, usar un aparato de respiración autónomo.

- **Protección de manos:**



Guantes de protección

( se continua en página 5 )

# Ficha de datos de seguridad

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( se continua en página 4 )

El material del guante deberá ser impermeable y resistente al producto / sustancia / preparado.

Ante la ausencia de tests específicos, no se puede recomendar ningún material específico para guantes de protección contra el producto / preparado / mezcla de sustancias químicas.

Selección del material de los guantes en función de los tiempos de rotura, grado de permeabilidad y degradación.

· **Material de los guantes**

La elección del guante adecuado no depende únicamente del material, sino también de otras características de calidad, que pueden variar de un fabricante a otro. Teniendo en cuenta que el producto está fabricado a partir de diferentes materiales, su calidad no puede ser evaluada de antemano, de modo que los guantes deberán ser controlados antes de su utilización.

· **Tiempo de penetración del material de los guantes**

El tiempo de resistencia a la penetración exacto deberá ser pedido al fabricante de los guantes. Este tiempo debe ser respetado.

· **Protección de ojos:**



Gafas de protección herméticas

### SECCIÓN 9: Propiedades físicas y químicas

· **9.1 Información sobre propiedades físicas y químicas básicas**

· **Datos generales**

· **Aspecto:**

· **Forma:** Líquido

· **Color:** Incoloro

· **Olor:** Característico

· **Umbral olfativo:** No determinado.

· **valor pH:** No determinado.

· **Cambio de estado**

· **Punto de fusión/punto de congelación:** Indeterminado.

· **Punto inicial de ebullición e intervalo de ebullición:** 144 °C

· **Punto de inflamación:** 28 °C

· **Inflamabilidad (sólido, gas):** No aplicable.

· **Temperatura de ignición:** 390 °C

· **Temperatura de descomposición:** No determinado.

· **Temperatura de auto-inflamación:** Se inflama espontáneamente en contacto con el aire.

· **Propiedades explosivas:** El producto no es explosivo; sin embargo, pueden formarse mezclas explosivas de vapor / aire.

· **Límites de explosión:**

· **Inferior:** 0,1 Vol %

· **Superior:** 7 Vol %

· **Presión de vapor a 20 °C:** 6,7 hPa

· **Densidad a 20 °C:** 1 g/cm<sup>3</sup>

· **Densidad relativa** No determinado.

· **Densidad de vapor** No determinado.

· **Tasa de evaporación:** No determinado.

( se continua en página 6 )

# Ficha de datos de seguridad

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Nombre comercial: **DPX Mounting Medium**

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· <b>Solubilidad en / miscibilidad con agua:</b>	<i>Poco o no mezclable.</i>
· <b>Coefficiente de reparto: n-octanol/agua:</b>	<i>No determinado.</i>
· <b>Viscosidad:</b>	
<b>Dinámica:</b>	<i>No determinado.</i>
<b>Cinemática:</b>	<i>No determinado.</i>
· <b>Concentración del disolvente:</b>	
<b>Disolventes orgánicos:</b>	<i>90,0 %</i>
<b>VOC (CE)</b>	<i>90,00 %</i>
<b>Contenido de cuerpos sólidos:</b>	<i>0,0 %</i>
· <b>9.2 Otros datos</b>	<i>No existen más datos relevantes disponibles.</i>

### SECCIÓN 10: Estabilidad y reactividad

- **10.1 Reactividad** *No existen más datos relevantes disponibles.*
- **10.2 Estabilidad química**
- **Descomposición térmica / condiciones que deben evitarse:** *No se descompone al emplearse adecuadamente.*
- **10.3 Posibilidad de reacciones peligrosas** *Al entrar en contacto con agua se liberan gases inflamables.*
- **10.4 Condiciones que deben evitarse** *No existen más datos relevantes disponibles.*
- **10.5 Materiales incompatibles:** *No existen más datos relevantes disponibles.*
- **10.6 Productos de descomposición peligrosos:** *No se conocen productos de descomposición peligrosos.*

### SECCIÓN 11: Información toxicológica

- **11.1 Información sobre los efectos toxicológicos**

- **Toxicidad aguda**

*Nocivo en caso de inhalación.*

- **Valores LD/LC50 (dosis letal /dosis letal = 50%) relevantes para la clasificación:**

#### 1330-20-7 xileno

Oral	LD50	4.300 mg/kg (rat)
Dermal	LD50	2.000 mg/kg (rabbit)

#### 84-74-2 ftalato de dibutilo

Oral	LD50	8.000 mg/kg (rat)
Dermal	LD50	20.000 mg/kg (rabbit)

- **Efecto estimulante primario:**
- **Corrosión o irritación cutáneas**  
*Provoca irritación cutánea.*
- **Lesiones o irritación ocular graves**  
*A la vista de los datos disponibles, no se cumplen los criterios de clasificación.*
- **Sensibilización respiratoria o cutánea**  
*A la vista de los datos disponibles, no se cumplen los criterios de clasificación.*
- **Indicaciones toxicológicas adicionales:**
- **Efectos CMR (carcinogenicidad, mutagenicidad y toxicidad para la reproducción)**
- **Mutagenicidad en células germinales**  
*A la vista de los datos disponibles, no se cumplen los criterios de clasificación.*
- **Carcinogenicidad** *A la vista de los datos disponibles, no se cumplen los criterios de clasificación.*

( se continua en página 7 )



# Ficha de datos de seguridad

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Nombre comercial: **DPX Mounting Medium**

( se continua en página 6 )

- **Toxicidad para la reproducción**  
Puede dañar al feto. Se sospecha que perjudica a la fertilidad.
- **Toxicidad específica en determinados órganos (STOT) – exposición única**  
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad específica en determinados órganos (STOT) – exposición repetida**  
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Peligro de aspiración** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

### SECCIÓN 12: Información ecológica

- **12.1 Toxicidad**
- **Toxicidad acuática:** No existen más datos relevantes disponibles.
- **12.2 Persistencia y degradabilidad** No existen más datos relevantes disponibles.
- **12.3 Potencial de bioacumulación** No existen más datos relevantes disponibles.
- **12.4 Movilidad en el suelo** No existen más datos relevantes disponibles.
- **Efectos ecotóxicos:**
- **Observación:** Tóxico para peces.
- **Indicaciones medioambientales adicionales:**
- **Indicaciones generales:**  
Nivel de riesgo para el agua 2 (autoclasificación): peligroso para el agua  
No dejar que se infiltre en aguas subterráneas, aguas superficiales o en alcantarillados.  
Una cantidad mínima vertida en el subsuelo ya representa un peligro para el agua potable.  
Vertido en aguas superficiales, también es tóxico para los peces y el plancton.  
tóxico para organismos acuáticos
- **12.5 Resultados de la valoración PBT y mPmB**
- **PBT:** No aplicable.
- **mPmB:** No aplicable.
- **12.6 Otros efectos adversos** No existen más datos relevantes disponibles.

### SECCIÓN 13: Consideraciones relativas a la eliminación

- **13.1 Métodos para el tratamiento de residuos**
- **Recomendación:** No debe desecharse con la basura doméstica. No debe llegar al alcantarillado.
- **Embalajes sin limpiar:**
- **Recomendación:** Eliminar conforme a las disposiciones oficiales.

### SECCIÓN 14: Información relativa al transporte

- **14.1 Número ONU**
- **ADR, IMDG, IATA** UN1993
- **14.2 Designación oficial de transporte de las Naciones Unidas**
- **ADR** 1993 LÍQUIDO INFLAMABLE, N.E.P. (TOLUENO, XILENOS)
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)

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# Ficha de datos de seguridad

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· 14.3 Clase(s) de peligro para el transporte

· ADR, IMDG, IATA



· Clase 3 Líquidos inflamables  
 · Etiqueta 3

· 14.4 Grupo de embalaje

· ADR, IMDG, IATA III

· 14.5 Peligros para el medio ambiente:

El producto contiene materias peligrosas para el medio ambiente: ftalato de dibutilo

· 14.6 Precauciones particulares para los usuarios

Atención: Líquidos inflamables

· Número de identificación de peligro (Número Kemler):

33

· Número EMS:

F-E,S-E

· Stowage Category

A

· 14.7 Transporte a granel con arreglo al anexo II del Convenio MARPOL y el Código IBC

No aplicable.

· Transporte/datos adicionales:

· ADR

· Cantidades limitadas (LQ)

5L

· Cantidades exceptuadas (EQ)

Código: E1

Cantidad neta máxima por envase interior: 30 ml

Cantidad neta máxima por embalaje exterior: 1000 ml

· Categoría de transporte

3

· Código de restricción del túnel

D/E

· IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· "Reglamentación Modelo" de la UNECE:

UN 1993 LÍQUIDO INFLAMABLE, N.E.P. (TOLUENO, XILENOS), 3, III

### SECCIÓN 15: Información reglamentaria

· 15.1 Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla

· Directiva 2012/18/UE

· Sustancias peligrosas nominadas - ANEXO I ninguno de los componentes está incluido en una lista

· Categoría Seveso

O2 Sustancias y mezclas que, en contacto con el agua, desprenden gases inflamables

P5c LÍQUIDOS INFLAMABLES

· Cantidad umbral (toneladas) a efectos de aplicación de los requisitos de nivel inferior 100 t

· Cantidad umbral (toneladas) a efectos de aplicación de los requisitos de nivel superior 500 t

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# Ficha de datos de seguridad

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· **LISTA DE SUSTANCIAS SUJETAS A AUTORIZACIÓN (ANEXO XIV)**

84-74-2 ftalato de dibutilo	Sunset date: a) 2015-02-21, b) 2024-12-14
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· **REGLAMENTO (CE) n° 1907/2006 ANEXO XVII Restricciones: 3, 30, 40, 51b**

· **Directiva 2011/65/UE sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos - Anexo II**

84-74-2 ftalato de dibutilo
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· **REGLAMENTO (UE) 2019/1148**

· **Anexo I - PRECURSORES DE EXPLOSIVOS RESTRINGIDOS (Valor límite superior a efectos de la concesión de licencias con arreglo al artículo 5, apartado 3)**

ninguno de los componentes está incluido en una lista

· **Anexo II - PRECURSORES DE EXPLOSIVOS NOTIFICABLES**

ninguno de los componentes está incluido en una lista

· **Reglamento (CE) no 273/2004 sobre precursores de drogas**

ninguno de los componentes está incluido en una lista

· **Reglamento (CE) N o 111/2005 por el que establecen normas para la vigilancia del comercio de precursores de drogas entre la Comunidad y terceros países**

ninguno de los componentes está incluido en una lista

· **Disposiciones nacionales:**

· **Demás disposiciones, limitaciones y decretos prohibitivos**

· **Sustancias altamente preocupantes (SVHC) según REACH, artículo 57**

84-74-2 ftalato de dibutilo
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· **15.2 Evaluación de la seguridad química: Una evaluación de la seguridad química no se ha llevado a cabo.**

### SECCIÓN 16: Otra información

Los datos se fundan en el estado actual de nuestros conocimientos, pero no constituyen garantía alguna de cualidades del producto y no generan ninguna relación jurídica contractual.

· **Frasas relevantes**

H226 Líquidos y vapores inflamables.

H312 Nocivo en contacto con la piel.

H315 Provoca irritación cutánea.

H332 Nocivo en caso de inhalación.

H360Df Puede dañar al feto. Se sospecha que perjudica a la fertilidad.

H400 Muy tóxico para los organismos acuáticos.

· **Abreviaturas y acrónimos:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Líquidos inflamables – Categoría 3

Water-react. 1: Sustancias y mezclas que, en contacto con el agua, desprenden gases inflamables – Categoría 1

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**Ficha de datos de seguridad**  
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*Acute Tox. 4: Toxicidad aguda – Categoría 4**Skin Irrit. 2: Corrosión o irritación cutáneas – Categoría 2**Repr. 1B: Toxicidad para la reproducción – Categoría 1B**Aquatic Acute 1: Peligroso para el medio ambiente acuático - peligro acuático agudo – Categoría 1*

ES

## แผนข้อมูลความปลอดภัย ตาม GHS

วันที่พิมพ์ 2022.05.12

การปรับปรุงใหม่ : 2022.05.12

### 1 การบ่งชี้สารเดี่ยวหรือสารผสม และผู้ผลิต

- 1.1 ลักษณะเฉพาะของผลิตภัณฑ์
- ชื่อทางการค้า **DPX Mounting Medium**
- เลขที่รายชื่อ 13510, 13512, EMS/SEA1300-00A
- 1.2 สารหรือสารผสมที่เกี่ยวข้องที่ระบุให้ใช้และที่ไม่ควรให้ใช้ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- การประยุกต์ใช้สาร/ การทำ เคมีภัณฑ์ห้องทดลอง
- 1.3 รายละเอียดของผู้จัดหาข้อมูลด้านความปลอดภัย
- ผู้ผลิต/ ผู้จัดหา  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: info@emsdiasum.com  
www.emsdiasum.com
- ข้อมูลรายละเอียดเพิ่มเติมหาได้จาก Product safety department
- 1.4 หมายเลขโทรศัพท์ฉุกเฉิน:  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2 การบ่งชี้ความเป็นอันตราย

- 2.1 การจำแนกประเภทของสารหรือสารผสม
- การแบ่งประเภทตามข้อบังคับ (จีซี) เลขที่ 1272/2008



เปลวไฟ

Flam. Liq. 3 H226 ของเหลวและไอที่ไวไฟ  
Water-react. 1 H260 ในการสัมผัสกับน้ำจะปล่อยแก๊สไวไฟซึ่งอาจจุดติดไฟได้ด้วยตัวเอง



สิ่งอันตรายต่อสุขภาพ

Repr. 1B H360Df May damage the unborn child. Suspected of damaging fertility.



Acute Tox. 4 H332 ให้โทษหากสูดหายใจเข้า  
Skin Irrit. 2 H315 เป็นสาเหตุให้เกิดการระคายเคืองผิวหนัง

- 2.2 องค์ประกอบของฉลาก
- ฉลากตามระเบียบ (EC) เลขที่ 1272/2008 ผลิตภัณฑ์ได้รับการจัดประเภทและติดฉลากตามข้อบังคับของ CLP
- ภาพสัญลักษณ์สิ่งที่เป็นอันตราย



GHS02



GHS07



GHS08

- สัญลักษณ์คำ อันตราย
- ส่วนประกอบที่ระบุอันตรายบนฉลาก  
xylene

(ต่อหน้า 2)



## แผนข้อมูลความปลอดภัย ตาม GHS

วันที่พิมพ์ 2022.05.12

การปรับปรุงใหม่ : 2022.05.12

### ชื่อทางการค้า DPX Mounting Medium

(ต่อหน้า 2)

- 5.2 อันตรายเฉพาะอย่างที่เกิดจากสารหรือส่วนผสม ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 5.3 คำแนะนำสำหรับพนักงานดับเพลิง
- อุปกรณ์ป้องกันภัย อุปกรณ์ป้องกันซึ่งเหมาะสำหรับการหายใจทางปาก

### 6 มาตรการจัดการเมื่อมีการหกรั่วไหลของสาร

- 6.1 การป้องกันส่วนบุคคล อุปกรณ์ป้องกัน และขั้นตอนดำเนินการเมื่อเกิดกรณีฉุกเฉิน  
สวมอุปกรณ์ป้องกันภัยกันคนที่ไม่ใช้อุปกรณ์ป้องกันออกไป
- 6.2 การให้ความคุ้มครองสิ่งแวดล้อมล่วงหน้า:  
แจ้งผู้มีอำนาจที่เกี่ยวข้องในกรณีที่เกิดการไหลซึมเข้าสู่น้ำหรือระบบระบายน้ำ  
อย่าปล่อยให้เข้าไปในท่อน้ำทิ้ง/ น้ำบนดินหรือใต้ดิน
- 6.3 วิธีดำเนินการและวัสดุสำหรับการบรรจและการทำความสะอาด:  
ดูดซับด้วยวัสดุที่สามารถยึดของเหลวไว้ (ทรายสะอาดไม่ทำปฏิกิริยากับสารที่หก) (ทรายสะอาดไม่ทำปฏิกิริยากับสารที่หก) ไปซีลเสีย)  
ทิ้งวัสดุที่ปนเปื้อนเป็นของเสียตามรายการในบัญชี 13  
ตรวจให้แน่ใจว่ามีการระบายอากาศที่ดีพอ  
อย่าฉีดด้วยน้ำหรือน้ำยาทำความสะอาดที่มีน้ำเป็นส่วนผสม
- 6.4 การอ้างอิงถึงส่วนอื่น  
ดูข้อมูลรายละเอียดเรื่องความปลอดภัยในการขนถ่ายจากส่วนที่ 7  
ดูข้อมูลรายละเอียดเรื่องอุปกรณ์ป้องกันส่วนบุคคลจากส่วนที่ 8  
ดูข้อมูลรายละเอียดเรื่องการจัดจากส่วนที่ 13

### 7 การขนถ่าย เคลื่อนย้าย ใช้งาน และเก็บรักษา

- 7.1 การป้องกันล่วงหน้าสำหรับการจัดการด้านความปลอดภัย  
ทำให้แน่ใจว่าสถานที่ทำงานมีการระบายอากาศ/ ระบายที่ดี  
เปิดและถือภาชนะรองรับอย่างระมัดระวัง  
ป้องกันการเกิดของสารฟุ้ง  
· ข้อมูลรายละเอียดเกี่ยวกับการป้องกันอัคคีภัยและการระเบิด  
ออกห่างจากแหล่งที่ติดไฟอย่างสมบูรณ์  
ป้องกันให้พ้นจากความร้อน  
ป้องกันให้พ้นจากประกายไฟฟอสฟอรัส  
เก็บอุปกรณ์ป้องกันสำหรับการช่วยหายใจให้มีพร้อมใช้งาน
- 7.2 เสนอไขในการเก็บรักษาอย่างปลอดภัย, รวมถึงสิ่งที่เข้ากันไม่ได้ใดๆ  
· การจัดเก็บ  
· ข้อกำหนดที่ต้องปฏิบัติตามสำหรับห้องเก็บและภาชนะบรรจุ ไม่มีข้อกำหนดพิเศษ  
· ข้อมูลรายละเอียดด้านการจัดเก็บในสถานที่จัดเก็บรวม ไม่ได้กำหนด  
· ข้อมูลรายละเอียดเพิ่มเติมด้านสภาพการจัดเก็บ  
เก็บโดยปิดผนึกอย่างแน่นหนา  
เก็บในที่เย็นสภาพแห้งในภาชนะบรรจุที่ปิดผนึกอย่างดี  
ป้องกันให้พ้นจากความร้อนและแสงแดดส่อง
- 7.3 การระบุถึงการสิ้นสุดการใช้ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

### 8 การควบคุมการสัมผัสและการป้องกันส่วนบุคคล

- 8.1 การควบคุมตัวแปร
- ข้อมูลรายละเอียดเสริมสำหรับการออกแบบสิ่งอำนวยความสะดวกทางเทคนิค ไม่มีข้อมูลนอกเหนือจากนี้ดูรายการ 7

· ส่วนผสมพร้อมค่าขอบเขตที่ต้องเฝ้าดูในสถานที่ปฏิบัติงาน

1330-20-7 xylene

PEL (US) ค่าระยะยาว: 435 mg/m<sup>3</sup>, 100 ppm

(ต่อหน้า 4)

TH

## แผนข้อมูลความปลอดภัย ตาม GHS

วันที่พิมพ์ 2022.05.12

การปรับปรุงใหม่ : 2022.05.12

### ชื่อทางการค้า DPX Mounting Medium

(ต่อหน้า 3)

REL (US)	ค่าระยะสั้น: 655 mg/m <sup>3</sup> , 150 ppm ค่าระยะยาว: 435 mg/m <sup>3</sup> , 100 ppm
TLV (US)	ค่าระยะสั้น: (150) ppm ค่าระยะยาว: (100) NIC-20 ppm BEI, A4
<b>84-74-2 ไดบิวทิลฟทาเลต</b>	
PEL (US)	ค่าระยะยาว: 5 mg/m <sup>3</sup>
REL (US)	ค่าระยะยาว: 5 mg/m <sup>3</sup>
TLV (US)	ค่าระยะยาว: 5 mg/m <sup>3</sup>
· ส่วนประกอบต่างๆ ที่มีค่าขีดจำกัดทางชีวภาพ:	
<b>1330-20-7 xylene</b>	
BEI (US)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids

· ข้อมูลรายละเอียดเสริม รายการถูกต้องระหว่างที่จัดทำโดยอาศัยการใช้งานเป็นหลัก

#### · 8.2 การควบคุมการสัมผัส

##### · อุปกรณ์ป้องกันส่วนบุคคล

##### · มาตรการการป้องกันและสุขอนามัยทั่วไป

เก็บให้ห่างจากสิ่งของที่เป็นอาหาร เครื่องดื่ม และอาหารสัตว์

ให้ถอดเสื้อผ้าที่เปื้อนและเจือปนออกทันที

ล้างมือก่อนที่จะหยุดพักและเมื่อสิ้นสุดเวลาทำงาน

เก็บชุดป้องกันแยกต่างหาก

หลีกเลี่ยงการสัมผัสถูกผิวหนัง

หลีกเลี่ยงการสัมผัสถูกตาและผิวหนัง

##### · การป้องกันการสูดหายใจเข้าไป

ในกรณีที่อยู่เป็นเวลาสั้นหรืออากาศเป็นพิษระดับต่ำ ใช้หน้ากากกรองเพื่อช่วยหายใจในกรณีที่มีความเข้มข้นสูงหรืออยู่เป็นเวลานาน ให้ใช้เครื่องป้องกันที่มีอุปกรณ์ช่วยหายใจในตัว

##### · การป้องกันมือ



ถุงมือป้องกัน

วัสดุของถุงมือจะต้องไม่ให้อากาศผ่านเข้าออกและทนทานต่อผลิตภัณฑ์/ สาร/ การผลิต

เนื่องจากขาดการทดสอบจึงไม่มีคำแนะนำสำหรับวัสดุที่ใช้ทำถุงมือสำหรับผลิตภัณฑ์/ การผลิต/ ของผสมเคมี

เลือกวัสดุสำหรับถุงมือโดยพิจารณาจากเวลาที่ใช้ในการซึมผ่านอัตราการแพร่และการเสื่อม

##### · วัสดุที่ใช้ทำถุงมือ

การเลือกใช้ถุงมือที่เหมาะสมไม่เพียงแต่ขึ้นอยู่กับวัสดุแต่ยังขึ้นกับมาตรฐานด้านคุณภาพและข้อแตกต่างระหว่างผู้ผลิตแต่ละแห่งโดยที่ผลิตภัณฑ์เตรียมมาจากสารหลายชนิดความทนทานของวัสดุถุงมือไม่สามารถที่จะคำนวณล่วงหน้าดังนั้นจึงต้องตรวจสอบกับการใช้งาน

##### · เวลาที่ใช้ในการทะลุผ่านวัสดุที่ใช้ทำถุงมือ

ผู้ผลิตถุงมือป้องกันจะต้องทดสอบหาเวลาแน่นอนที่ใช้ในการทะลุผ่านและจะต้องมีการตรวจสอบติดตาม

##### · การป้องกันตา



แว่นตาที่ขอบปิดสนิท

TH

(ต่อหน้า 5)

## แผนข้อมูลความปลอดภัย ตาม GHS

วันที่พิมพ์ 2022.05.12

การปรับปรุงใหม่ : 2022.05.12

### ชื่อทางการค้า DPX Mounting Medium

(ต่อหน้า 4)

#### 9 คุณสมบัติทางกายภาพและทางเคมี

##### 9.1 ข้อมูลคุณสมบัติพื้นฐานทางกายภาพและเคมี

##### ข้อมูลรายละเอียดทั่วไป

##### ลักษณะ :

รูปสีนฐาน

ของเหลว

สี

ไม่มีสี

กลิ่น

ลักษณะพิเศษ

เกณฑ์กลิ่น :

ไม่ได้กำหนดไว้.

ค่า pH

ไม่ได้กำหนดไว้.

##### การเปลี่ยนแปลงสถานะ

จุดหลอมเหลว/ ขอบเขตการหลอมละลาย

ไม่ได้กำหนด

จุดเดือด/ ขอบเขตการเดือด

144 °C

จุดวาบไฟ

28 °C

ความสามารถติดไฟ (ของแข็งแก๊ส)

ไม่สามารถใช้ได้

อุณหภูมิจุดระเบิด

390 °C

อุณหภูมิสลายตัว

ไม่ได้กำหนดไว้.

การเผาไหม้ด้วยตัวเอง

ติดไฟได้ด้วยตัวเองในอากาศ

อันตรายจากการระเบิด

ผลิตภัณฑ์ไม่ได้เป็นสารระเบิดอย่างไรก็ตามอาจเป็นไปได้ที่การผสมของอากาศ /  
ไอจะทำให้เกิดการ

ขอบเขตการระเบิด

ขั้นต่ำ

0.1 Vol %

ขั้นสูง

7 Vol %

ความดันไอ ที่ 20 °C

6.7 hPa

ความหนาแน่น ที่ 20 °C

1 g/cm<sup>3</sup>

ความหนาแน่นสัมพัทธ์

ไม่ได้กำหนดไว้.

ความหนาแน่นของไอ

ไม่ได้กำหนดไว้.

อัตราการระเหย

ไม่ได้กำหนดไว้.

ความสามารถในการละลายใน

/

ความสามารถผสมเป็นสารละลายเนื้อเดียวทุกส่วนผสมกับ  
น้ำ

ไม่สามารถผสมกันได้หรือยากที่จะผสม

สัมประสิทธิ์การแยกตัว (เอ็น-ออกทานอล/น้ำ)

ไม่ได้กำหนดไว้.

ความหนืด

(ไดนามิค) พลศาสตร์

ไม่ได้กำหนดไว้.

(คิเนมติก) จลนศาสตร์

ไม่ได้กำหนดไว้.

ปริมาณส่วนประกอบตัวทำละลาย

ตัวทำละลายอินทรีย์

90.0 %

VOC (EC)

90.00 %

ส่วนประกอบที่เป็นของแข็ง

0.0 %

9.2 ข้อมูลอื่นๆ

ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

#### 10 ความเสถียรและการเกิดปฏิกิริยา

10.1 ปฏิกิริยาโต้ตอบ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

(ต่อหน้า 6)

TH



## แผนข้อมูลความปลอดภัย ตาม GHS

วันที่พิมพ์ 2022.05.12

การปรับปรุงใหม่ : 2022.05.12

### ชื่อทางการค้า DPX Mounting Medium

(ต่อหน้า 5)

- 10.2 เสถียรภาพทางเคมี
- การสลายตัวด้วยความร้อน / เงื่อนไขที่ต้องหลีกเลี่ยง ไม่มีการสลายตัวถ้าใช้ตามรายละเอียดที่ระบุไว้
- 10.3 ความเป็นไปได้ของการเกิดปฏิกิริยาอันตราย การสัมผัสกับน้ำจะปล่อยแก๊สติดไฟ
- 10.4 เงื่อนไขเพื่อการหลีกเลี่ยง ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 10.5 วัสดุที่เข้ากันไม่ได้: ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 10.6 อันตรายจากการสลายตัวของผลิตภัณฑ์: ไม่มีสารจากการสลายตัวที่เป็นอันตรายที่รู้จัก

## 11 ข้อมูลด้านพิษวิทยา

- 11.1 ข้อมูลเกี่ยวกับผลกระทบทางพิษวิทยา
- ความเป็นพิษอย่างสาหัส:  
ให้โทษหากสูดหายใจเข้า

- การจัดแบ่งตามค่า LD/LC50

### 1330-20-7 xylene

ทางปาก	LD50	4,300 mg/kg (rat)
ทางผิวหนัง	LD50	2,000 mg/kg (rabbit)

### 84-74-2 ไตบิวทิลฟทาเลต

ทางปาก	LD50	8,000 mg/kg (rat)
ทางผิวหนัง	LD50	20,000 mg/kg (rabbit)

- อาการระคายเคืองเบื้องต้น
- บบผิวหนัง  
เป็นสาเหตุให้เกิดการระคายเคืองผิวหนัง
- ที่ดวงตา Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
- การทำให้แพ้ Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
- ข้อมูลรายละเอียดเสริมเกี่ยวกับพิษวิทยา
- ผลกระทบ CMR (การทำให้เกิดมะเร็งการผ่าเหล่าและพิษต่อการสืบพันธุ์)
- การผ่าเหล่าในเซลล์สืบพันธุ์ Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
- การกระตุ้นให้เกิดมะเร็ง Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
- พิษต่อระบบสืบพันธุ์  
May damage the unborn child. Suspected of damaging fertility.
- ความเป็นพิษต่ออวัยวะเป้าหมายเฉพาะ – การสัมผัสในครรภ์ Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
- ความเป็นพิษต่ออวัยวะเป้าหมายเฉพาะ – การสัมผัสฆ่าเหล่า Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.
- อันตรายต่อระบบหายใจ Berdasarkan data yang ada, kriteria klasifikasi tidak dipenuhi.

## 12 ข้อมูลด้านนิเวศวิทยา

- 12.1 ความเป็นพิษ
- ความเป็นพิษที่เกี่ยวข้องกับน้ำ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 12.2 การคงอยู่และการย่อยสลาย ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 12.3 การสะสมทางชีวภาพที่อาจเกิดขึ้น ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 12.4 การเปลี่ยนแปลงในดิน ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- ผลกระทบด้านพิษต่อระบบนิเวศน์
- ข้อสังเกต เป็นพิษสำหรับปลา
- ข้อมูลรายละเอียดเสริมเกี่ยวกับนิเวศวิทยา
- หมายเหตุทั่วไป  
เป็นอันตรายต่อน้ำขึ้น 2 (กฎข้อบังคับของเยอรมัน)(การประเมินค่าด้วยตัวเอง):เป็นอันตรายกับน้ำ  
อาจปล่อยให้เกิดผลิตภัณฑ์ไปถึงน้ำผิวดินเส้นทางน้ำหรือระบบระบายน้ำเสีย  
เป็นอันตรายต่อน้ำดื่มแม้จะร่วงลงในพื้นที่เป็นปริมาณน้อย  
เป็นพิษกับปลาและแพลงก์ตอนในผิวน้ำ  
มีพิษต่อสิ่งมีชีวิตในน้ำ

(ต่อหน้า 7)

**แผนข้อมูลความปลอดภัย**  
**ตาม GHS**

วันที่พิมพ์ 2022.05.12

การปรับปรุงใหม่ : 2022.05.12

## ชื่อทางการค้า DPX Mounting Medium


(ต่อหน้า 6)

- 12.5 ผลของ PBT และการประเมิน vPvB
- PBT: ไม่สามารถใช้ได้
- vPvB: ไม่สามารถใช้ได้
- 12.6 ผลข้างเคียงอื่นๆ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

**13 ข้อพิจารณาในการกำจัด**

- 13.1 วิธีการกำจัดของเสีย
- คำแนะนำ ต้องไม่ทิ้งไปพร้อมกับขยะจากบ้านเรือนอย่าปล่อยให้ผลิตภัณฑ์เข้าสู่ระบบระบายน้ำเสีย
- ภาชนะบรรจุที่ยังไม่ได้ล้างทำความสะอาด
- คำแนะนำ การกำจัดจะต้องทำตามกฎระเบียบที่เป็นทางการ

**14 ข้อมูลการขนส่ง**

- 14.1 เลขที่ UN  
· ADR, IMDG, IATA UN1993
- 14.2 ชื่อการจัดส่งสินค้าที่เหมาะสมของ UN  
· ADR 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)  
· IMDG, IATA FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES)
- 14.3 ชั้นเรียนอันตรายจากการขนส่ง  
· ADR, IMDG, IATA
- 
- ประเภท 3 ของเหลวติดไฟได้
- ฉลากสิ่งที่เป็นอันตราย 3
- 14.4 กลุ่มของภาชนะบรรจุ  
· ADR, IMDG, IATA III
- 14.5 สิ่งที่เป็นอันตรายต่อสภาพแวดล้อม ผลิตภัณฑ์ประกอบด้วยวัสดุที่เป็นอันตรายต่อสภาพแวดล้อม: ไดบิวทิลฟทาเลต
- 14.6 การป้องกันพิเศษล่วงหน้าสำหรับผู้ใช้ คำเตือน !: ของเหลวติดไฟได้
- รหัสความอันตราย: 33
- หมายเลข EMS F-E,S-E
- Stowage Category A
- 14.7 การขนส่งขนาดใหญ่ตามภาคผนวก 2 ของ MARPOL73/78 และรหัส IBC ไม่สามารถใช้ได้
- การขนส่ง/ข้อมูลรายละเอียดเสริม
- ADR
- ปริมาณที่จำกัด (LQ) 5L
- Excepted quantities (EQ) Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
- หมวดหมู่การขนส่ง 3
- รหัสควบคุมการผ่านอุโมงค์ D/E

(ต่อหน้า 8)

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**แผนข้อมูลความปลอดภัย**  
**ตาม GHS**

วันที่พิมพ์ 2022.05.12

การปรับปรุงใหม่ : 2022.05.12

**ชื่อทางการค้า DPX Mounting Medium**

(ต่อหน้า 7)

<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<ul style="list-style-type: none"> <li>· “กฎระเบียบต้นแบบ” ของ UN</li> </ul>	UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, XYLENES), 3, III

**15 ข้อมูลด้านกฎข้อบังคับ**

- **15.1 ความปลอดภัย สุขภาพและระเบียบ/กฎหมายสิ่งแวดล้อมโดยเฉพาะของสารหรือสารผสม** ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- **บัญชีรายชื่อวัตถุอันตราย**

· **กรมวิชาการเกษตร**

ไม่มีส่วนผสมอยู่ในรายการ

· **กรมประมง**

ไม่มีส่วนผสมอยู่ในรายการ

· **กรมปศุสัตว์**

ไม่มีส่วนผสมอยู่ในรายการ

· **อาหารและยา**

84-74-2 ไคบิวทิลฟทาเลต

ชนิดที่ 3

· **กรมโรงงานอุตสาหกรรม**

ไม่มีส่วนผสมอยู่ในรายการ

· **กรมธุรกิจพลังงาน**

ไม่มีส่วนผสมอยู่ในรายการ

· **ทำเนียบสารเคมีที่มีอยู่แล้วของประเทศไทย (กรมโรงงานอุตสาหกรรม)**

ส่วนผสมทั้งหมดอยู่ในรายการ

- **15.2 การประเมินความปลอดภัยของสารเคมี:** ไม่ได้ดำเนินการตามการประเมินความปลอดภัยของสารเคมี

**16 ข้อมูลอื่นๆ**

ข้อมูลรายละเอียดนี้ใช้ความรู้ปัจจุบันของเราเป็นหลักอย่างไรก็ตามข้อมูลนี้ไม่ใช่การรับประกันจากสถาบันต่อคุณสมบัติเฉพาะของผลิตภัณฑ์และไม่สามารถยืนยันการบังคับใช้ตามกฎหมายที่เกี่ยวข้องกับสัญญา

· **วลีที่เกี่ยวข้องกับ**

H226 ของเหลวและไอที่ไวไฟ

H312 เป็นอันตรายหากสัมผัสกับผิวหนัง

H315 เป็นสาเหตุให้เกิดการระคายเคืองผิวหนัง

H332 ให้โทษหากสูดหายใจเข้า

H360Df May damage the unborn child. Suspected of damaging fertility.

H400 มีพิษมากต่อสิ่งมีชีวิตในน้ำ

· **คำย่อและชื่อย่อที่ผสมขึ้น**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

(ต่อหน้า 9)

แผ่นข้อมูลความปลอดภัย  
ตาม GHS

วันที่พิมพ์ 2022.05.12

การปรับปรุงใหม่ : 2022.05.12

ชื่อทางการค้า **DPX Mounting Medium**

(ต่อหน้า 8)

VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
Water-react. 1: Substances and mixtures which in contact with water emit flammable gases – Category 1  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Repr. 1B: Reproductive toxicity – Category 1B  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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