

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2015

Reviewed on 07/16/2015

1 Identification

- **Product identifier**
- **Trade name:** DURCUPAN ACM EPOXY COMPONENT D
- **Article number:** 14042D
- **CAS Number:**
84-74-2
- **EC number:**
201-557-4
- **Index number:**
607-318-00-4
- **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
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**



GHS08 Health hazard

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

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



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
dibutyl phthalate
- **Hazard statements**
May damage fertility or the unborn child.
- **Precautionary statements**
Wear protective gloves/protective clothing/eye protection/face protection.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF exposed or concerned: Get medical advice/attention.

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Store locked up.

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

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1

Fire = 1

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Substances**

· **CAS No. Description**

84-74-2 dibutyl phthalate

· **Identification number(s)**

· **EC number:** 201-557-4

· **Index number:** 607-318-00-4

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

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

· **After swallowing:** If symptoms persist consult 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:** Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** 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.
- **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 protection against explosions and fires:** 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:** None.
- **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:**

84-74-2 dibutyl phthalate

| | |
|-----|--------------------------------------|
| PEL | Long-term value: 5 mg/m ³ |
| REL | Long-term value: 5 mg/m ³ |
| TLV | Long-term value: 5 mg/m ³ |

- **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.
- **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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· **Protection of hands:**

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.

· **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:** Goggles recommended during refilling.

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

| | |
|-------------------------|-----------------|
| Form: | Liquid |
| Color: | Colorless |
| Odor: | Characteristic |
| Odour threshold: | Not determined. |

· **pH-value:** neutral

· **Change in condition**

| | |
|-------------------------------------|-------------------|
| Melting point/Melting range: | -35.8 °C (-32 °F) |
| Boiling point/Boiling range: | 340 °C (644 °F) |

· **Flash point:** 188 °C (370 °F)

· **Flammability (solid, gaseous):** Not flammable.

· **Ignition temperature:** 390 °C (734 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

| | |
|---------------|------------|
| Lower: | <0.1 Vol % |
| Upper: | 1.97 Vol % |

· **Vapor pressure at 162 °C (324 °F):** 0.00002 hPa

· **Density at 20 °C (68 °F):** 1.045 g/cm³ (8.721 lbs/gal)

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

Water at 20 °C (68 °F): 0.1 g/l

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

· **Viscosity:**

Dynamic at 20 °C (68 °F): 12-14 mPas

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| | |
|--------------------------|--------------------------------------------|
| Kinematic: | Not determined. |
| Organic solvents: | 0.0 % |
| Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **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:**

84-74-2 dibutyl phthalate

| | | |
|--------|------|----------------------|
| Oral | LD50 | 8000 mg/kg (rat) |
| Dermal | LD50 | 20000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

- **Carcinogenic categories**

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

Substance is not listed.

- **NTP (National Toxicology Program)**

Substance is not listed.

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

Substance is not 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.
- **Additional ecological information:**
- **General notes:**
- Water hazard class 2 (Assessment by list): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.

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

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> · UN-Number · DOT, ADR, IMDG, IATA | <p style="text-align: center;">UN3082</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR · IMDG · IATA | <p><i>Environmentally hazardous substances, liquid, n.o.s. (dibutyl phthalate)</i></p> <p><i>3082 Environmentally hazardous substances, liquid, n.o.s. (dibutyl phthalate)</i></p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT</p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT · Class · Label | <p><i>9 Miscellaneous dangerous substances and articles</i></p> <p style="text-align: center;">-</p> |
| <ul style="list-style-type: none"> · ADR <div style="display: flex; justify-content: space-around; align-items: center;">   </div> | <p><i>9 Miscellaneous dangerous substances and articles</i></p> <p>9</p> |
| <ul style="list-style-type: none"> · IMDG, IATA <div style="display: flex; justify-content: center; align-items: center;">  </div> | <p><i>9 Miscellaneous dangerous substances and articles</i></p> <p style="text-align: center;">-</p> |

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| | |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| · Packing group · DOT, ADR, IMDG, IATA | III |
| · Environmental hazards: · Marine pollutant: | Yes Symbol (fish and tree) |
| · Special marking (ADR): · Special marking (IATA): | Symbol (fish and tree) Symbol (fish and tree) |
| · Special precautions for user · Danger code (Kemler): | Warning: Miscellaneous dangerous substances and articles 90 |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: · DOT · Hazardous substance: | 10 lbs, 4,54 kg |
| · 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) · Excepted quantities (EQ) | 5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation": | UN3082, Environmentally hazardous substances, liquid, n.o.s. (dibutyl phthalate), 9, III |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

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

Substance is not listed.

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

Substance is listed.

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

Substance is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

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

Substance is listed.

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

Substance is listed.

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

Substance is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

84-74-2 dibutyl phthalate

D

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

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

Substance is not listed.

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

· **Hazard pictograms**



GHS08

· **Signal word** Danger

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

dibutyl phthalate

· **Hazard statements**

May damage fertility or the unborn child.

· **Precautionary statements**

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

Obtain special instructions before use.

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

IF exposed or concerned: Get medical advice/attention.

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.

· **Date of preparation / last revision** 07/16/2015 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial 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

Repr. 1B: Reproductive toxicity, Hazard Category 1B

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.07.2015

Revision: 16.07.2015

1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **Trade name:** DURCUPAN ACM EPOXY COMPONENT D

· **Article number:** 14042D

· **CAS Number:**

84-74-2

· **EC number:**

201-557-4

· **Index number:**

607-318-00-4

· **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

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)

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

· **Further information obtainable from:** Product safety department

· **Emergency telephone number:**

ChemTrec 1-800-424-9300 Contract CCN7661

1-703-527-3887

2 Hazards identification

· **Classification of the substance or mixture**



GHS08 health hazard

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

· **Label elements**

· **GHS label elements**

The substance is classified and labelled according to the Globally Harmonised System (GHS).

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· Hazard pictograms



GHS08

· Signal word *Danger*

· Hazard-determining components of labelling:

dibutyl phthalate

· Hazard statements

May damage fertility or the unborn child.

· Precautionary statements

*Wear protective gloves/protective clothing/eye protection/face protection.**Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**IF exposed or concerned: Get medical advice/attention.**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.

· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterisation: *Substances*

· CAS No. Description

84-74-2 dibutyl phthalate

· Identification number(s)

· EC number: 201-557-4

· Index number: 607-318-00-4

· SVHC

84-74-2 | *dibutyl phthalate*

4 First aid measures

· Description of first aid measures

· After inhalation: *Supply fresh air; consult doctor in case of complaints.*· After skin contact: *Generally the product does not irritate the skin.*· After eye contact: *Rinse opened eye for several minutes under running water.*· After swallowing: *If symptoms persist consult 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.

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Trade name: DURCUPAN ACM EPOXY COMPONENT D

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5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** 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.
- **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 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:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/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:**

84-74-2 dibutyl phthalate

NES Long-term value: 5 mg/m³

- **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

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AU

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Trade name: **DURCUPAN ACM EPOXY COMPONENT D**

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Wash hands before breaks and at the end of work.

Store protective clothing separately.

· **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:**

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.

· **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:** Goggles recommended during refilling

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

| | |
|---------------------------|-----------------|
| · Form: | Liquid |
| · Colour: | Colourless |
| · Odour: | Characteristic |
| · Odour threshold: | Not determined. |

· **pH-value:** neutral

· **Change in condition**

· **Melting point/Melting range:** -35.8 °C

· **Boiling point/Boiling range:** 340 °C

· **Flash point:** 188 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 390 °C

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:** <0.1 Vol %

· **Upper:** 1.97 Vol %

· **Vapour pressure at 162 °C:** 0.00002 hPa

· **Density at 20 °C:** 1.045 g/cm³

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

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- | | |
|-----------------------------------------------------------|--------------------------------------------|
| · Solubility in / Miscibility with water at 20 °C: | 0.1 g/l |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic at 20 °C: | 12-14 mPas |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 0.0 % |
| VOC (EC) | 0.00 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **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 relevant for classification:**

84-74-2 dibutyl phthalate

| | | |
|--------|------|----------------------|
| Oral | LD50 | 8000 mg/kg (rat) |
| Dermal | LD50 | 20000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **CMR effects (carcinogenicity, 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.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water

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- 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.
- **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

| | |
|-------------------------------------|-------------------------------------------------------------------------------------------|
| · UN-Number | |
| · ADG, IMDG, IATA | UN3082 |
| · UN proper shipping name | |
| · ADG | 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate) |
| · IMDG | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT |
| · IATA | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate) |
| · Transport hazard class(es) | |
| · ADG | |
| |  |
| · Class | 9 Miscellaneous dangerous substances and articles. |
| · Label | 9 |
| · IMDG, IATA | |
| |  |
| · Class | 9 Miscellaneous dangerous substances and articles. |
| · Label | - |
| · Packing group | |
| · ADG, IMDG, IATA | III |
| · Environmental hazards: | |
| · Marine pollutant: | Yes Symbol (fish and tree) |
| · Special marking (ADG): | Symbol (fish and tree) |

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| | |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| · Special marking (IATA): | Symbol (fish and tree) |
| · Special precautions for user | Warning: Miscellaneous dangerous substances and articles. |
| · Danger code (Kemler): | 90 |
| · Transport in bulk according to Annex II of MARPOL73/78 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 | 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": | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), 9, III |

15 Regulatory information

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

· **Australian Inventory of Chemical Substances**

Substance is listed.

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

Substance is not listed.

· **GHS label elements**

The substance is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS08

· **Signal word** Danger

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

dibutyl phthalate

· **Hazard statements**

May damage fertility or the unborn child.

· **Precautionary statements**

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

Obtain special instructions before use.

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

IF exposed or concerned: Get medical advice/attention.

Store locked up.

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

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I Substance is not listed.**
- **National regulations:**

- **Other regulations, limitations and prohibitive regulations**

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

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

- **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.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

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

Repr. 1B: Reproductive toxicity, Hazard Category 1B

-AU-

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/16/2015

Reviewed on 07/16/2015

1 Identification

- **Product identifier**
- **Trade name:** DURCUPAN ACM EPOXY COMPONENT D
- **Article number:** 14042D
- **CAS Number:**
84-74-2
- **EC number:**
201-557-4
- **Index number:**
607-318-00-4
- **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
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**



GHS08 Health hazard

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



GHS09 Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Not applicable.



Toxic

Repr. Cat. 2, 3

May impair fertility. May cause harm to the unborn child.

- **Information concerning particular hazards for human and environment:** Not applicable.

- **Label elements**

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with directives on hazardous materials.

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Trade name: DURCUPAN ACM EPOXY COMPONENT D

(Contd. of page 1)

· **Code letter and hazard designation of product:**



Repr. Cat. 2, 3
Toxic

· **Risk phrases:**

May impair fertility.
May cause harm to the unborn child.

· **Safety phrases:**

Avoid exposure - obtain special instructions before use.
When using do not eat or drink.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
This material and its container must be disposed of as hazardous waste.

· **Hazard description:**

· **WHMIS-symbols:**

D2A - Very toxic material causing other toxic effects



· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 1
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1
Fire = 1
Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Substances**

· **CAS No. Description**

84-74-2 dibutyl phthalate

· **Identification number(s)**

· **EC number:** 201-557-4

· **Index number:** 607-318-00-4

· **SVHC**

84-74-2 dibutyl phthalate

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Trade name: DURCUPAN ACM EPOXY COMPONENT D

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4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult 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:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** 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.
- **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 protection against explosions and fires:** 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:** None.
- **Specific end use(s)** No further relevant information available.

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Trade name: DURCUPAN ACM EPOXY COMPONENT D

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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:**

84-74-2 dibutyl phthalate

| | |
|----|--------------------------------------|
| EL | Long-term value: 5 mg/m ³ |
| R | |

| | |
|----|--------------------------------------|
| EV | Long-term value: 5 mg/m ³ |
|----|--------------------------------------|

· **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.

· **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:**

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.

· **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:** Goggles recommended during refilling.

9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Liquid

Color: Colorless

· **Odor:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** neutral

· **Change in condition**

Melting point/Melting range: -35.8 °C

Boiling point/Boiling range: 340 °C

· **Flash point:** 188 °C

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| | |
|-----------------------------------------------------------|-----------------------------------------------|
| · Flammability (solid, gaseous): | Not flammable. |
| · Ignition temperature: | 390 °C |
| · Decomposition temperature: | Not determined. |
| · Auto igniting: | Not determined. |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Explosion limits: | |
| Lower: | <0.1 Vol % |
| Upper: | 1.97 Vol % |
| · Vapor pressure at 162 °C: | 0.00002 hPa |
| · Density at 20 °C: | 1.045 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with Water at 20 °C: | 0.1 g/l |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic at 20 °C: | 12-14 mPas |
| Kinematic: | Not determined. |
| Organic solvents: | 0.0 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **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:**

84-74-2 dibutyl phthalate

| | | |
|--------|------|----------------------|
| Oral | LD50 | 8000 mg/kg (rat) |
| Dermal | LD50 | 20000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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· **Additional toxicological information:**

· **Carcinogenic categories**

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

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

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

Substance is not 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.

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (Assessment by list): 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.

· **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

· **UN-Number**

· **DOT, TDG, IMDG, IATA** UN3082

· **UN proper shipping name**

· **DOT** Environmentally hazardous substances, liquid, n.o.s. (dibutyl phthalate)

· **TDG** 3082 Environmentally hazardous substances, liquid, n.o.s. (dibutyl phthalate)

· **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT

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· **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)

· **Transport hazard class(es)**

· **DOT**

· **Class**

9 Miscellaneous dangerous substances and articles

· **Label**

-

· **TDG (Transport dangerous goods):**



· **Class**

9 Miscellaneous dangerous substances and articles

· **Label**

9

· **IMDG, IATA**



· **Class**

9 Miscellaneous dangerous substances and articles

· **Label**

-

· **Packing group**

· **DOT, TDG, IMDG, IATA**

III

· **Environmental hazards:**

· **Marine pollutant:**

Yes

Symbol (fish and tree)

· **Special marking (TDG):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

· **Special precautions for user**

Warning: Miscellaneous dangerous substances and articles

· **Danger code (Kemler):**

90

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Hazardous substance:**

10 lbs, 4,54 kg

· **TDG**

· **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

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· **UN "Model Regulation":** UN3082, Environmentally hazardous substances, liquid, n.o.s. (dibutyl phthalate), 9, III

15 Regulatory information

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

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

Substance is not listed.

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

Substance is listed.

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

Substance is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

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

Substance is listed.

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

Substance is listed.

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

Substance is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

84-74-2 dibutyl phthalate

D

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

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

Substance is not listed.

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

Substance is listed.

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

Substance is not listed.

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

Substance is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

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Trade name: DURCUPAN ACM EPOXY COMPONENT D

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· **Hazard symbols:**



Repr. Cat. 2, 3
Toxic

· **Risk phrases:**

May impair fertility.
May cause harm to the unborn child.

· **Safety phrases:**

Avoid exposure - obtain special instructions before use.
When using do not eat or drink.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
This material and its container must be disposed of as hazardous waste.

· **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.

· **Date of preparation / last revision** 07/16/2015 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Repr. 1B: Reproductive toxicity, Hazard Category 1B
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

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

- **1.1 Product identifier**
- **Trade name:** DURCUPAN ACM EPOXY COMPONENT D
- **Article number:** 14042D
- **CAS Number:**
84-74-2
- **EC number:**
201-557-4
- **Index number:**
607-318-00-4
- **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
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**



GHS08 health hazard

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



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

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



GHS08



GHS09

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

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Trade name: DURCUPAN ACM EPOXY COMPONENT D

(Contd. of page 1)

- **Hazard statements**
 - H360Df May damage the unborn child. Suspected of damaging fertility.
 - H400 Very toxic to aquatic life.
- **Precautionary statements**
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P273 Avoid release to the environment.
 - P308+P313 IF exposed or concerned: Get medical advice/attention.
 - P391 Collect spillage.
 - 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

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**
 - 84-74-2 dibutyl phthalate
- **Identification number(s)**
- **EC number:** 201-557-4
- **Index number:** 607-318-00-4

- **SVHC**

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

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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GB

Safety data sheet

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Trade name: DURCUPAN ACM EPOXY COMPONENT D

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- **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.
- **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 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:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

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

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

84-74-2 dibutyl phthalate

| | |
|-----|----------------------------------------|
| WEL | Short-term value: 10 mg/m ³ |
| | Long-term value: 5 mg/m ³ |

- **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.
- **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:**
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.

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- **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:** Goggles recommended during refilling

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

| | |
|---------------------------|-----------------|
| · Form: | Liquid |
| · Colour: | Colourless |
| · Odour: | Characteristic |
| · Odour threshold: | Not determined. |

· **pH-value:** neutral

· Change in condition

| | |
|---------------------------------------|----------|
| · Melting point/Melting range: | -35.8 °C |
| · Boiling point/Boiling range: | 340 °C |

· **Flash point:** 188 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 390 °C

· **Decomposition temperature:** Not determined.

· **Self-igniting:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits:

| | |
|-----------------|------------|
| · Lower: | <0.1 Vol % |
| · Upper: | 1.97 Vol % |

· **Vapour pressure at 162 °C:** 0.00002 hPa

| | |
|----------------------------|-------------------------|
| · Density at 20 °C: | 1.045 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not determined. |

· **Solubility in / Miscibility with water at 20 °C:** 0.1 g/l

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

· Viscosity:

| | |
|----------------------------|-----------------|
| · Dynamic at 20 °C: | 12-14 mPas |
| · Kinematic: | Not determined. |

· Solvent content:

| | |
|----------------------------|--------|
| · Organic solvents: | 0.0 % |
| · VOC (EC) | 0.00 % |

· **9.2 Other information** No further relevant information available.

GB

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SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **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**

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

84-74-2 dibutyl phthalate

| | | |
|--------|------|----------------------|
| Oral | LD50 | 8000 mg/kg (rat) |
| Dermal | LD50 | 20000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Repr. 1B

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.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Assessment by list): 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.
- **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.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

| | |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · 14.1 UN-Number · ADR, IMDG, IATA | UN3082 |
| · 14.2 UN proper shipping name · ADR · IMDG · IATA | 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate) |
| · 14.3 Transport hazard class(es) · ADR | |
|  | |
| · Class · Label | 9 Miscellaneous dangerous substances and articles. 9 |
| · IMDG, IATA | |
|  | |
| · Class · Label | 9 Miscellaneous dangerous substances and articles. - |
| · 14.4 Packing group · ADR, IMDG, IATA | III |
| · 14.5 Environmental hazards: · Marine pollutant: | Yes Symbol (fish and tree) |
| · Special marking (ADR): · Special marking (IATA): | Symbol (fish and tree) Symbol (fish and tree) |
| · 14.6 Special precautions for user · Danger code (Kemler): | Warning: Miscellaneous dangerous substances and articles. 90 |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR · 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 |

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| | |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|
| · Transport category | 3 |
| · Tunnel restriction code | E |
| <hr/> | |
| · 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": | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), 9, 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 Substance is not listed.**
- **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.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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

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

Repr. 1B: Reproductive toxicity, Hazard Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

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

· 1.1 Productidentificatie

· **Handelsnaam:** DURCUPAN ACM EPOXY COMPONENT D

· **Artikelnummer:** 14042D

· **CAS-nummer:**

84-74-2

· **EC-nummer:**

201-557-4

· **Catalogusnummer:**

607-318-00-4

· **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

www.emsdiasum.com

Aurion

Binnenhaven 5

6709 PD Wageningen

The Netherlands

Tel: 31 317 415094

Fax: 31 317 415955

email: 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**



GHS08 gezondheidsgevaar

Repr. 1B

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



GHS09 milieu

Aquatic Acute 1 H400

Zeer giftig voor in het water levende organismen.

· **2.2 Etiketteringselementen**

· **Etikettering overeenkomstig Verordening (EG) nr. 1272/2008**

De stof/product is geclassificeerd en geëtiketteerd volgens de CLP-verordening.

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(Vervolg van blz. 1)

· Gevarenpictogrammen


GHS08 GHS09

· Signaalwoord Gevaar
· Gevaaraanduidende componenten voor de etikettering:

dibutylftalaat

· Gevarenaanduidingen

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

H400 Zeer giftig voor in het water levende organismen.

· Veiligheidsaanbevelingen

P280 Beschermende handschoenen/beschermende kleding/oogbescherming/gelaatsbescherming dragen.

P273 Voorkom lozing in het milieu.

P308+P313 NA (mogelijke) blootstelling: een arts raadplegen.

P391 Gelekte/gemorste stof opruimen.

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

· 3.1 Chemische karakterisering: Stoffen
· CAS-Nr. omschrijving

84-74-2 dibutylftalaat

· Identificatienummer(s)
· EC-nummer: 201-557-4

· Catalogusnummer: 607-318-00-4

· SVHC

84-74-2 | dibutylftalaat

RUBRIEK 4: Eerstehulpmaatregelen

· 4.1 Beschrijving van de eerstehulpmaatregelen
· Na het inademen: Frisse lucht toedienen; bij klachten arts ontbieden.

· Na huidcontact: Over het algemeen is het produkt niet prikkelend voor de huid

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

· Na inslikken: Als de klachten niet minderen, een 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.

NL

(Vervolg op blz. 3)

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RUBRIEK 5: Brandbestrijdingsmaatregelen

- **5.1 Blusmiddelen**
- **Geschikte blusmiddelen:** Brandblusmaatregelen op omgeving afstemmen.
- **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:** Geen bijzondere maatregelen nodig.

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

- **6.1 Persoonlijke voorzorgsmaatregelen, beschermde uitrusting en noodprocedures** Niet nodig.
- **6.2 Milieuvorzorgsmaatregelen:** Niet in de riolering/het oppervlaktewater/het grondwater laten terechtkomen.
- **6.3 Insluitings- 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.
- **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:** Ademhalingsstoestellen 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:** Geen.
- **7.3 Specifiek eindgebruik** Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming

- **Aanvullende gegevens m.b.t. de inrichting van technische installaties:** Geen aanvullende gegevens. Zie 7.
- **8.1 Controleparameters**
- **Bestanddelen met grenswaarden die m.b.t. de werkruimte in acht genomen moeten worden:** Vervalt.
- **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.

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- **Ademhalingsbescherming:**
Bij korte of geringe belasting ademfiltertoestel; bij intensieve resp. langdurige expositie een van de omringende lucht onafhankelijk ademhalingsstoestel gebruiken.
- **Handbescherming:**
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.
- **Doordringingstijd van het handschoenmateriaal**
De precieze penetratietijd kunt u te weten komen bij de handschoenfabrikant; houd er rekening mee.
- **Oogbescherming:** Bij het omgieten is het gebruik van een veiligheidsbril aan te bevelen.

RUBRIEK 9: Fysische en chemische eigenschappen

· 9.1 Informatie over fysische en chemische basiseigenschappen

· Algemene gegevens

· Voorkomen:

| | |
|-----------------------------|----------------|
| · Vorm: | Vloeistof |
| · Kleur: | Kleurloos |
| · Reuk: | Karakteristiek |
| · Geurdrempelwaarde: | Niet bepaald. |

· **pH-waarde:** neutral

· Toestandsverandering

| | |
|-----------------------------------|----------|
| · Smeltpunt/smeltbereik: | -35,8 °C |
| · Kookpunt/kookpuntbereik: | 340 °C |

· **Vlampunt:** 188 °C

· **Ontvlambaarheid (vast, gasvormig):** Niet bruikbaar.

· **Ontstekingsstemperatuur:** 390 °C

· **Ontbindingstemperatuur:** Niet bepaald.

· **Zelfonsteking:** Niet bepaald.

· **Ontploffingsgevaar:** Het produkt is niet ontploffingsgevaarlijk.

· Ontploffingsgrenzen:

| | |
|--------------------|------------|
| · Onderste: | <0,1 Vol % |
| · Bovenste: | 1,97 Vol % |

· **Dampspanning bij 162 °C:** 0,00002 hPa

| | |
|-------------------------------|-------------------------|
| · Dichtheid bij 20 °C: | 1,045 g/cm ³ |
| · Relatieve dichtheid | Niet bepaald. |
| · Dampdichtheid | Niet bepaald. |
| · Verdampingsnelheid | Niet bepaald. |

· Oplosbaarheid in/mengbaarheid met

· **Water bij 20 °C:** 0,1 g/l

· **Verdelingscoëfficiënt (n-octanol/water):** Niet bepaald.

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- **Viscositeit**
 - Dynamisch bij 20 °C:** 12-14 mPas
 - Kinematisch:** Niet bepaald.
- **Oplosmiddelgehalte:**
 - Organisch oplosmiddel:** 0,0 %
 - VOC (EG)** 0,00 %
- **9.2 Overige informatie** Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 10: Stabiliteit en reactiviteit

- **10.1 Reactiviteit**
- **10.2 Chemische stabiliteit**
- **Thermische afbraak / te vermijden omstandigheden:** Geen afbraak bij gebruik volgens voorschrift.
- **10.3 Mogelijke gevaarlijke reacties** Geen gevaarlijke reacties bekend.
- **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**

- **Indelingsrelevantie LD/LC50-waarden:**

84-74-2 dibutylftalaat

| | | |
|---------|------|---------------------|
| Oraal | LD50 | 8000 mg/kg (rat) |
| Dermaal | LD50 | 20000 mg/kg (rabit) |

- **Primaire aandoening:**
- **Huidcorrosie/-irritatie** Geen prikkelend effect.
- **Ernstig oogletsel/oogirritatie** Geen prikkelend effect.
- **Sensibilisatie van de luchtwegen/de huid** Geen effect van overgevoeligheid bekend.
- **CMR-effecten (kankerverwekkendheid, mutageniteit en giftigheid voor de voortplanting)**
Repr. 1B

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.
- **12.4 Mobiliteit in de bodem** Geen verdere relevante informatie verkrijgbaar.
- **Verdere ecologische informatie:**
- **Algemene informatie:**
Waterbezwaarlijkheid (NL) 5: Zeer vergiftig voor in het water levende organismen.
Gevaar voor water klasse 2 (D) (Lijstclassificatie): gevaar voor water
Niet lozen in grondwater, in oppervlaktewater of in riolering.
Gevaar voor drinkwater zelfs bij uitlopen van geringe hoeveelheden in de ondergrond.
- **12.5 Resultaten van PBT- en zPzB-beoordeling**
- **PBT:** Niet bruikbaar.

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- **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

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> · 14.1 VN-nummer · ADR, IMDG, IATA | UN3082 |
| <ul style="list-style-type: none"> · 14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN · ADR · IMDG · IATA | 3082 MILIEUGEVAARLIJKE VLOEISTOF, N.E.G. (dibutylftalaat) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate) |
| <ul style="list-style-type: none"> · 14.3 Transportgevarenklasse(n) · ADR | <div style="display: flex; align-items: center; gap: 10px;">   </div> <p>9 Diverse gevaarlijke stoffen en voorwerpen</p> |
| <ul style="list-style-type: none"> · klasse · Etiket | 9 9 |
| <ul style="list-style-type: none"> · IMDG, IATA | <div style="display: flex; align-items: center; gap: 10px;">  </div> <p>9 Diverse gevaarlijke stoffen en voorwerpen</p> |
| <ul style="list-style-type: none"> · Class · Label | - |
| <ul style="list-style-type: none"> · 14.4 Verpakkingsgroep: · ADR, IMDG, IATA | III |
| <ul style="list-style-type: none"> · 14.5 Milieugevaren: · Marine pollutant: · Bijzondere kenmerking (ADR): · Bijzondere kenmerking (IATA): | Ja Symbool (vis en boom) Symbool (vis en boom) Symbool (vis en boom) |
| <ul style="list-style-type: none"> · 14.6 Bijzondere voorzorgen voor de gebruiker · Kemler-getal: | Waarschuwing: Diverse gevaarlijke stoffen en voorwerpen 90 |

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| | |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| · 14.7 Vervoer in bulk overeenkomstig bijlage II bij MARPOL 73/78 en de IBC-code | Niet bruikbaar. |
| · Transport/verdere gegevens: | |
| · ADR | |
| · Beperkte hoeveelheden (LQ) | 5L |
| · Uitgezonderde hoeveelheden (EQ) | Code: E1 Grootste netto hoeveelheid per binnenverpakking: 30 ml Grootste netto hoeveelheid per buitenverpakking: 1000 ml |
| · Vervoerscategorie | 3 |
| · Tunnelbeperkingscode | 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 |
| · VN "Model Regulation": | UN3082, MILIEUGEVAARLIJKE VLOEISTOF, N.E.G. (dibutylftalaat), 9, III |

RUBRIEK 15: Regelgeving

· 15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel

· SZW-lijst van kankerverwekkende stoffen

De stof is niet aanwezig.

· SZW-lijst van mutagene stoffen

De stof is niet aanwezig.

· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid

| | | |
|---------|----------------|---|
| 84-74-2 | dibutylftalaat | 3 |
|---------|----------------|---|

· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling

| | | |
|---------|----------------|---|
| 84-74-2 | dibutylftalaat | 2 |
|---------|----------------|---|

· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding

De stof is niet aanwezig.

· Richtlijn 2012/18/EU

· Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I

 De stof is niet aanwezig.

· Nationale voorschriften:

· Gevaarklasse v. water: Waterbezwaarlijkheid (NL) 5: Saneringsinspanning B

· Aanvullende voorschriften, beperkingen en verbodsverordeningen

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

| | |
|---------|----------------|
| 84-74-2 | dibutylftalaat |
|---------|----------------|

· 15.2 Chemischeveiligheidsbeoordeling: Een chemische veiligheidsbeoordeling is niet uitgevoerd.

NL

(Vervolg op blz. 8)

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

datum van de druk: 16.07.2015

Herziening van: 16.07.2015

Handelsnaam: DURCUPAN ACM EPOXY COMPONENT D

(Vervolg van blz. 7)

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.

Afkortingen en acroniemen:

ADR: Accord européen sur le transport 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

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

Repr. 1B: Reproductive toxicity, Hazard Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

NL

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 16.07.2015

Révision: 16.07.2015

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

- **1.1 Identificateur de produit**
- **Nom du produit:** DURCUPAN ACM EPOXY COMPONENT D
- **Code du produit:** 14042D
- **No CAS:**
84-74-2
- **Numéro CE:**
201-557-4
- **Numéro index:**
607-318-00-4
- **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
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

SECTION 2: Identification des dangers

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



GHS08 danger pour la santé

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



GHS09 environnement

Aquatic Acute 1 H400 Très toxique pour les organismes aquatiques.

- **2.2 Éléments d'étiquetage**
- **Étiquetage selon le règlement (CE) n° 1272/2008** La substance est classifiée et étiquetée selon le règlement CLP.
- **Pictogrammes de danger**



GHS08



GHS09

- **Mention d'avertissement** Danger
- **Composants dangereux déterminants pour l'étiquetage:**
phtalate de dibutyle

(suite page 2)

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(suite de la page 1)

- **Mentions de danger**

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

H400 Très toxique pour les organismes aquatiques.

- **Conseils de prudence**

P280 Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage.

P273 Éviter le rejet dans l'environnement.

P308+P313 EN CAS d'exposition prouvée ou suspectée: consulter un médecin.

P391 Recueillir le produit répandu.

P405 Garder sous clef.

P501 Éliminer le contenu/récipient conformément à la réglementation locale/régionale/nationale/internationale.

- **2.3 Autres dangers**

- **Résultats des évaluations PBT et vPvB**

- **PBT:** Non applicable.

- **vPvB:** Non applicable.

SECTION 3: Composition/informations sur les composants

- **3.1 Caractérisation chimique: Substances**

- **No CAS Désignation**

84-74-2 phtalate de dibutyle

- **Code(s) d'identification**

- **Numéro CE:** 201-557-4

- **Numéro index:** 607-318-00-4

- **SVHC**

| | |
|---------|----------------------|
| 84-74-2 | phtalate de dibutyle |
|---------|----------------------|

SECTION 4: Premiers secours

- **4.1 Description des premiers secours**

- **Après inhalation:** Donner de l'air frais, consulter un médecin en cas de troubles.

- **Après contact avec la peau:** En règle générale, le produit n'irrite pas la peau.

- **Après contact avec les yeux:**

Rincer les yeux, sous l'eau courante, pendant plusieurs minutes, en écartant bien les paupières.

- **Après ingestion:** Si les troubles persistent, consulter 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.

SECTION 5: Mesures de lutte contre l'incendie

- **5.1 Moyens d'extinction**

- **Moyens d'extinction:** Adapter les mesures d'extinction d'incendie à l'environnement.

- **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:** Aucune mesure particulière n'est requise.

FR

(suite page 3)

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SECTION 6: Mesures à prendre en cas de dispersion accidentelle

- **6.1 Précautions individuelles, équipement de protection et procédures d'urgence** Pas nécessaire.
- **6.2 Précautions pour la protection de l'environnement:**
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.
- **6.4 Référence à d'autres sections**
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.

SECTION 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 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.
- **Autres indications sur les conditions de stockage:** Néant.
- **7.3 Utilisation(s) finale(s) particulière(s)** Pas d'autres informations importantes disponibles.

SECTION 8: Contrôles de l'exposition/protection individuelle

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

· 8.1 Paramètres de contrôle

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

84-74-2 phtalate de dibutyle

| | |
|-----|------------------------------------------|
| VME | Valeur à long terme: 5 mg/m ³ |
| R1B | |

- **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.

(suite page 4)

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· **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:**

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 ne dépend pas seulement du matériau, mais également d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre.

· **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.

· **Protection des yeux:** Lunettes de protection recommandées pour le transvasement.

SECTION 9: Propriétés physiques et chimiques

· **9.1 Informations sur les propriétés physiques et chimiques essentielles**

· **Indications générales**

· **Aspect:**

| | |
|-----------------|-----------------|
| Forme: | Liquide |
| Couleur: | Incolore |
| Odeur: | Caractéristique |
| Seuil olfactif: | Non déterminé. |

· **valeur du pH:** neutral

· **Changement d'état**

| | |
|---------------------|----------|
| Point de fusion: | -35,8 °C |
| Point d'ébullition: | 340 °C |

· **Point d'éclair** 188 °C

· **Inflammabilité (solide, gazeux):** Non applicable.

· **Température d'inflammation:** 390 °C

· **Température de décomposition:** Non déterminé.

· **Auto-inflammation:** Non déterminé.

· **Danger d'explosion:** Le produit n'est pas explosif.

· **Limites d'explosion:**

| | |
|-------------|------------|
| Inférieure: | <0,1 Vol % |
| Supérieure: | 1,97 Vol % |

· **Pression de vapeur à 162 °C:** 0,00002 hPa

| | |
|-----------------------|-------------------------|
| Densité à 20 °C: | 1,045 g/cm ³ |
| Densité relative | Non déterminé. |
| Densité de vapeur. | Non déterminé. |
| Vitesse d'évaporation | Non déterminé. |

· **Solubilité dans/miscibilité avec**

l'eau à 20 °C: 0,1 g/l

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

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- **Viscosité:**
 - Dynamique à 20 °C:** 12-14 mPas
 - Cinématique:** Non déterminé.
- **Teneur en solvants:**
 - Solvants organiques:** 0,0 %
 - VOC (CE)** 0,00 %
- **9.2 Autres informations** Pas d'autres informations importantes disponibles.

SECTION 10: Stabilité et réactivité

- **10.1 Réactivité**
- **10.2 Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** Pas de décomposition en cas d'usage conforme.
- **10.3 Possibilité de réactions dangereuses** Aucune réaction dangereuse connue.
- **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

SECTION 11: Informations toxicologiques

- **11.1 Informations sur les effets toxicologiques**
- **Toxicité aiguë**

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

84-74-2 phtalate de dibutyle

| | | |
|----------|------|---------------------|
| Oral | LD50 | 8000 mg/kg (rat) |
| Dermique | LD50 | 20000 mg/kg (lapin) |

- **Effet primaire d'irritation:**
- **Corrosion cutanée/irritation cutanée** Pas d'effet d'irritation.
- **Lésions oculaires graves/irritation oculaire** Pas d'effet d'irritation.
- **Sensibilisation respiratoire ou cutanée** Aucun effet de sensibilisation connu.
- **Effets CMR (cancérogène, mutagène et toxique pour la reproduction)**
Repr. 1B

SECTION 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.
- **Autres indications écologiques:**
- **Indications générales:**
Catégorie de pollution des eaux 2 (D) (classification selon liste): 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.
- **12.5 Résultats des évaluations PBT et VPVB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.

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· **12.6 Autres effets néfastes** Pas d'autres informations importantes disponibles.

SECTION 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.

SECTION 14: Informations relatives au transport

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> · 14.1 No ONU · ADR, IMDG, IATA | <p align="center">UN3082</p> |
| <ul style="list-style-type: none"> · 14.2 Nom d'expédition des Nations unies · ADR · IMDG · IATA | <p align="center">3082 MATIÈRE DANGEREUSE DU POINT DE VUE DE L'ENVIRONNEMENT, LIQUIDE, N.S.A. (phtalate de dibutyle)</p> <p align="center">ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT</p> <p align="center">ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)</p> |
| <ul style="list-style-type: none"> · 14.3 Classe(s) de danger pour le transport · ADR <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <ul style="list-style-type: none"> · Classe · Étiquette | <p align="center">9 Matières et objets dangereux divers.</p> <p align="center">9</p> |
| <ul style="list-style-type: none"> · IMDG, IATA <div style="display: flex; justify-content: center; align-items: center;">  </div> <ul style="list-style-type: none"> · Class · Label | <p align="center">9 Matières et objets dangereux divers.</p> <p align="center">-</p> |
| <ul style="list-style-type: none"> · 14.4 Groupe d'emballage · ADR, IMDG, IATA | <p align="center">III</p> |
| <ul style="list-style-type: none"> · 14.5 Dangers pour l'environnement: · Marine Pollutant: · Marquage spécial (ADR): · Marquage spécial (IATA): | <p align="center">Oui</p> <p align="center">Signe conventionnel (poisson et arbre)</p> <p align="center">Signe conventionnel (poisson et arbre)</p> <p align="center">Signe conventionnel (poisson et arbre)</p> |
| <ul style="list-style-type: none"> · 14.6 Précautions particulières à prendre par l'utilisateur | <p align="center">Attention: Matières et objets dangereux divers.</p> |

(suite page 7)

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| | |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| · Indice Kemler: | 90 |
| · 14.7 Transport en vrac conformément à l'annexe II de la convention Marpol 73/78 et au recueil IBC | Non applicable. |
| · Indications complémentaires de transport: | |
| · ADR | 5L |
| · Quantités limitées (LQ) | Code: E1 |
| · Quantités exceptées (EQ) | Quantité maximale nette par emballage intérieur: 30 ml Quantité maximale nette par emballage extérieur: 1000 ml |
| · Catégorie de transport | 3 |
| · Code de restriction en tunnels | E |
| · IMDG | 5L |
| · Limited quantities (LQ) | Code: E1 |
| · Excepted quantities (EQ) | Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| · "Règlement type" de l'ONU: | UN3082, MATIÈRE DANGEREUSE DU POINT DE VUE DE L'ENVIRONNEMENT, LIQUIDE, N.S.A. (phtalate de dibutyle), 9, III |

SECTION 15: Informations réglementaires

- **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 la substance n'est pas comprise**
 - **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.

SECTION 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.

- **Acronymes et abréviations:**
 ADR: Accord européen sur le transport 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
 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
 Repr. 1B: Reproductive toxicity, Hazard Category 1B
 Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 16.07.2015

überarbeitet am: 16.07.2015

ABSCHNITT 1: Bezeichnung des Stoffs bzw. des Gemischs und des Unternehmens

- **1.1 Produktidentifikator**
- **Handelsname:** DURCUPAN ACM EPOXY COMPONENT D
- **Artikelnummer:** 14042D
- **CAS-Nummer:**
84-74-2
- **EG-Nummer:**
201-557-4
- **Indexnummer:**
607-318-00-4
- **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
www.emsdiasum.com

Science Services GmbH
Unterhachinger Str. 75
81737 München Germany
Tel: +49(0)89 18 93 668-0
safety@scienceservices.de

24h Giftnotruf Munchen: +49 (0)89 19240
Toxikologische Abteilung der II. Medizinischen Klinik
rechts der Isar, Munchen. - www.toxinfo.org
- **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**



GHS08 Gesundheitsgefahr

Repr. 1B

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



GHS09 Umwelt

Aquatic Acute 1 H400 Sehr giftig für Wasserorganismen.

(Fortsetzung auf Seite 2)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

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überarbeitet am: 16.07.2015

Handelsname: DURCUPAN ACM EPOXY COMPONENT D

(Fortsetzung von Seite 1)

- **2.2 Kennzeichnungselemente**
- **Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008**
Der Stoff ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.
- **Gefahrenpiktogramme**



GHS08 GHS09

- **Signalwort Gefahr**
- **Gefahrbestimmende Komponenten zur Etikettierung:**
Dibutylphthalat
- **Gefahrenhinweise**
H360Df Kann das Kind im Mutterleib schädigen. Kann vermutlich die Fruchtbarkeit beeinträchtigen.
H400 Sehr giftig für Wasserorganismen.
- **Sicherheitshinweise**
P280 Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen.
P273 Freisetzung in die Umwelt vermeiden.
P308+P313 BEI Exposition oder falls betroffen: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.
P391 Verschüttete Mengen aufnehmen.
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

- **3.1 Chemische Charakterisierung: Stoffe**
- **CAS-Nr. Bezeichnung**
84-74-2 Dibutylphthalat
- **Identifikationsnummer(n)**
- **EG-Nummer:** 201-557-4
- **Indexnummer:** 607-318-00-4

· SVHC

84-74-2 | Dibutylphthalat

ABSCHNITT 4: Erste-Hilfe-Maßnahmen

- **4.1 Beschreibung der Erste-Hilfe-Maßnahmen**
- **Nach Einatmen:** Frischluftzufuhr, bei Beschwerden Arzt aufsuchen.
- **Nach Hautkontakt:** Im allgemeinen ist das Produkt nicht hautreizend.
- **Nach Augenkontakt:** Augen bei geöffnetem Lidspalt mehrere Minuten mit fließendem Wasser spülen.
- **Nach Verschlucken:** Bei anhaltenden Beschwerden Arzt konsultieren.
- **4.2 Wichtigste akute und verzögert auftretende Symptome und Wirkungen**
Keine weiteren relevanten Informationen verfügbar.

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- **4.3 Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung**
Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 5: Maßnahmen zur Brandbekämpfung

- **5.1 Löschmittel**
- **Geeignete Löschmittel:** Feuerlöschmaßnahmen auf die Umgebung abstimmen.
- **5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren**
Keine weiteren relevanten Informationen verfügbar.
- **5.3 Hinweise für die Brandbekämpfung**
- **Besondere Schutzausrüstung:** Keine besonderen Maßnahmen erforderlich.

ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

- **6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren**
Nicht erforderlich.
- **6.2 Umweltschutzmaßnahmen:** 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.
- **6.4 Verweis auf andere Abschnitte**
Informationen zur sicheren Handhabung siehe Abschnitt 7.
Informationen zur persönlichen Schutzausrüstung siehe Abschnitt 8.
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:** 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:** Keine.
- **Lagerklasse:**
- **Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV):** -
- **7.3 Spezifische Endanwendungen** Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

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

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· 8.1 Zu überwachende Parameter
· Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:
84-74-2 Dibutylphthalat

| | |
|-----|----------------------------------------------------------------------------------|
| AGW | Langzeitwert: 0,58 mg/m ³ , 0,05 ml/m ³ 2(I);DFG, Y, 11 |
|-----|----------------------------------------------------------------------------------|

· 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.

· Atemschutz:

Bei kurzzeitiger oder geringer Belastung Atemfiltergerät; bei intensiver bzw. längerer Exposition unluftunabhängiges Atemschutzgerät verwenden.

· Handschutz:

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.

· Durchdringungszeit des Handschuhmaterials

Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.

· Augenschutz: Beim Umfüllen Schutzbrille empfehlenswert.

ABSCHNITT 9: Physikalische und chemische Eigenschaften

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

Form: Flüssigkeit

Farbe: Farblos

· Geruch: Charakteristisch

· Geruchsschwelle: Nicht bestimmt.

· pH-Wert: neutral

· Zustandsänderung

Schmelzpunkt/Schmelzbereich: -35,8 °C

Siedepunkt/Siedebereich: 340 °C

· Flammpunkt: 188 °C

· Entzündlichkeit (fest, gasförmig): Nicht anwendbar.

· Zündtemperatur: 390 °C

· Zersetzungstemperatur: Nicht bestimmt.

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| | |
|--------------------------------------------------------------|----------------------------------------------------|
| · Selbstentzündlichkeit: | Nicht bestimmt. |
| · Explosionsgefahr: | Das Produkt ist nicht explosionsgefährlich. |
| · Explosionsgrenzen: | |
| Untere: | <0,1 Vol % |
| Obere: | 1,97 Vol % |
| · Dampfdruck bei 162 °C: | 0,00002 hPa |
| · Dichte bei 20 °C: | 1,045 g/cm ³ |
| · Relative Dichte | Nicht bestimmt. |
| · Dampfdichte | Nicht bestimmt. |
| · Verdampfungsgeschwindigkeit | Nicht bestimmt. |
| · Löslichkeit in / Mischbarkeit mit Wasser bei 20 °C: | 0,1 g/l |
| · Verteilungskoeffizient (n-Octanol/Wasser): | Nicht bestimmt. |
| · Viskosität: | |
| Dynamisch bei 20 °C: | 12-14 mPas |
| Kinematisch: | Nicht bestimmt. |
| · Lösemittelgehalt: | |
| Organische Lösemittel: | 0,0 % |
| VOC (EU) | 0,00 % |
| · 9.2 Sonstige Angaben | Keine weiteren relevanten Informationen verfügbar. |

ABSCHNITT 10: Stabilität und Reaktivität

- **10.1 Reaktivität**
- **10.2 Chemische Stabilität**
- **Thermische Zersetzung / zu vermeidende Bedingungen:**
Keine Zersetzung bei bestimmungsgemäßer Verwendung.
- **10.3 Möglichkeit gefährlicher Reaktionen** Keine gefährlichen Reaktionen bekannt.
- **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**

| | | |
|----------------------------------------------|------|----------------------|
| · Einstufungsrelevante LD/LC50-Werte: | | |
| 84-74-2 Dibutylphthalat | | |
| Oral | LD50 | 8000 mg/kg (rat) |
| Dermal | LD50 | 20000 mg/kg (rabbit) |

- **Primäre Reizwirkung:**
- **Ätz-/Reizwirkung auf die Haut** Keine Reizwirkung.
- **Schwere Augenschädigung/-reizung** Keine Reizwirkung.
- **Sensibilisierung der Atemwege/Haut** Keine sensibilisierende Wirkung bekannt.

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- **CMR-Wirkungen (krebserzeugende, erbgutverändernde und fortpflanzungsgefährdende Wirkung)**
Repr. 1B


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.
- **Weitere ökologische Hinweise:**
- **Allgemeine Hinweise:**
Wassergefährdungsklasse 2 (Listeneinstufung): wassergefährdend
Nicht in das Grundwasser, in Gewässer oder in die Kanalisation gelangen lassen.
Trinkwassergefährdung bereits beim Auslaufen geringer Mengen in den Untergrund.
- **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.
- **Ungereinigte Verpackungen:**
- **Empfehlung:** Entsorgung gemäß den behördlichen Vorschriften.

ABSCHNITT 14: Angaben zum Transport

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> · 14.1 UN-Nummer · ADR, IMDG, IATA | UN3082 |
| <ul style="list-style-type: none"> · 14.2 Ordnungsgemäße UN-Versandbezeichnung · ADR · IMDG · IATA | 3082 UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (Dibutylphthalat) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate) |
| <ul style="list-style-type: none"> · 14.3 Transportgefahrenklassen · ADR | <div style="display: flex; align-items: center; justify-content: center;">  </div> |
| <ul style="list-style-type: none"> · Klasse | 9 Verschiedene gefährliche Stoffe und Gegenstände |

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| | |
|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| · Gefahrzettel | 9 |
| · IMDG, IATA | |
|  | |
| · Class | 9 Verschiedene gefährliche Stoffe und Gegenstände |
| · Label | - |
| · 14.4 Verpackungsgruppe | |
| · ADR, IMDG, IATA | III |
| · 14.5 Umweltgefahren: | |
| · Marine pollutant: | Ja Symbol (Fisch und Baum) |
| · Besondere Kennzeichnung (ADR): | Symbol (Fisch und Baum) |
| · Besondere Kennzeichnung (IATA): | Symbol (Fisch und Baum) |
| · 14.6 Besondere Vorsichtsmaßnahmen für den Verwender | Achtung: Verschiedene gefährliche Stoffe und Gegenstände |
| · Kemler-Zahl: | 90 |
| · 14.7 Massengutbeförderung gemäß Anhang II des MARPOL-Übereinkommens 73/78 und gemäß IBC-Code | Nicht anwendbar. |
| · Transport/weitere Angaben: | |
| · ADR | |
| · Begrenzte Menge (LQ) | 5L |
| · Freigestellte Mengen (EQ) | Code: E1 Höchste Nettomenge je Innenverpackung: 30 ml Höchste Nettomenge je Außenverpackung: 1000 ml |
| · Beförderungskategorie | 3 |
| · Tunnelbeschränkungscode | 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": | UN3082, UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (Dibutylphthalat), 9, 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 Der Stoff ist nicht enthalten.**

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- **Nationale Vorschriften:**
- **Technische Anleitung Luft:**

| Klasse | Anteil in % |
|--------|-------------|
| I | 100,0 |

- **Wassergefährdungsklasse: WGK 2 (Listeneinstufung):** wassergefährdend.
- **Sonstige Vorschriften, Beschränkungen und Verbotsverordnungen**

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

| | |
|---------|-----------------|
| 84-74-2 | Dibutylphthalat |
|---------|-----------------|

- **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.

· **Abkürzungen und Akronyme:**

ADR: Accord européen sur le transport 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

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

Repr. 1B: Reproductive toxicity, Hazard Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 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:** DURCUPAN ACM EPOXY COMPONENT D

· **Articolo numero:** 14042D

· **Numero CAS:**

84-74-2

· **Numeri CE:**

201-557-4

· **Numero indice:**

607-318-00-4

· **1.2 Usi pertinenti identificati della sostanza o 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

www.emsdiasum.com

Societa Italiana Chimici

Via Rio Nell Ellba 140

00138 Rome, Italy

Tel: 39 06 8800211

Fax: 39 30 06 8815313

Web: 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**



GHS08 pericolo per la salute

Repr. 1B

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



GHS09 ambiente

Aquatic Acute 1 H400 Molto tossico per gli organismi acquatici.

· **2.2 Elementi dell'etichetta**

· **Etichettatura secondo il regolamento (CE) n. 1272/2008**

La sostanza è classificata ed etichettata conformemente al regolamento CLP.

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· **Pittogrammi di pericolo**



GHS08 GHS09

· **Avvertenza Pericolo**

· **Componenti pericolosi che ne determinano l'etichettatura:**

ftalato di dibutile

· **Indicazioni di pericolo**

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

H400 Molto tossico per gli organismi acquatici.

· **Consigli di prudenza**

P280 Indossare guanti/indumenti protettivi/Proteggere gli occhi/il viso.

P273 Non disperdere nell'ambiente.

P308+P313 IN CASO di esposizione o di possibile esposizione, consultare un medico.

P391 Raccogliere il materiale fuoriuscito.

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

· **3.1 Caratteristiche chimiche: Sostanze**

· **Numero CAS**

84-74-2 ftalato di dibutile

· **Numeroli di identificazione**

· **Numeri CE:** 201-557-4

· **Numero indice:** 607-318-00-4

· **SVHC**

84-74-2 ftalato di dibutile

SEZIONE 4: Misure di primo soccorso

· **4.1 Descrizione delle misure di primo soccorso**

· **Inalazione:** Portare in zona ben areata, in caso di disturbi consultare il medico.

· **Contatto con la pelle:** Generalmente il prodotto non è irritante per la pelle.

· **Contatto con gli occhi:** Lavare con acqua corrente per alcuni minuti tenendo le palpebre ben aperte.

· **Ingestione:** Se il dolore persiste consultare il medico.

· **4.2 Principali sintomi ed effetti, sia acuti che ritardati** Non sono disponibili altre informazioni.

· **4.3 Indicazione della eventuale necessità di consultare immediatamente un medico e di trattamenti speciali**

Non sono disponibili altre informazioni.

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SEZIONE 5: Misure antincendio

- **5.1 Mezzi di estinzione**
- **Mezzi di estinzione idonei:** Adottare provvedimenti antiincendio nei dintorni della zona colpita.
- **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:** Non sono richiesti provvedimenti particolari.

SEZIONE 6: Misure in caso di rilascio accidentale

- **6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza** Non necessario.
- **6.2 Precauzioni ambientali:** 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.
- **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:** Tener pronto il respiratore.
- **7.2 Condizioni per l'immagazzinamento 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:** Nessuno.
- **7.3 Usi finali specifici** Non sono disponibili altre informazioni.

SEZIONE 8: Controllo dell'esposizione/protezione individuale

- **Ulteriori indicazioni sulla struttura di impianti tecnici:** Nessun dato ulteriore, vedere punto 7.

8.1 Parametri di controllo

- **Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:**

84-74-2 ftalato di dibutile

TWA Valore a lungo termine: 5 mg/m³

- **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.

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Custodire separatamente l'equipaggiamento protettivo.

· **Maschera protettiva:**

Nelle esposizioni brevi e minime utilizzare la maschera; nelle esposizioni più intense e durature indossare l'autorespiratore.

· **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.

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

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

· **Occhiali protettivi:** Si consiglia l'uso di occhiali protettivi durante il travaso.

SEZIONE 9: Proprietà fisiche e chimiche

· **9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali**

· **Indicazioni generali**

· **Aspetto:**

Forma: Liquido

Colore: Incolore

· **Odore:** Caratteristico

· **Soglia olfattiva:** Non definito.

· **valori di pH:** neutral

· **Cambiamento di stato**

Temperatura di fusione/ambito di fusione: -35,8 °C

Temperatura di ebollizione/ambito di ebollizione: 340 °C

· **Punto di infiammabilità:** 188 °C

· **Infiammabilità (solido, gassoso):** Non applicabile.

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

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

· **Autoaccensione:** Non definito.

· **Pericolo di esplosione:** Prodotto non esplosivo.

· **Limiti di infiammabilità:**

Inferiore: <0,1 Vol %

Superiore: 1,97 Vol %

· **Tensione di vapore a 162 °C:** 0,00002 hPa

· **Densità a 20 °C:** 1,045 g/cm³

· **Densità relativa** Non definito.

· **Densità del vapore** Non definito.

· **Velocità di evaporazione** Non definito.

· **Solubilità in/Miscibilità con acqua a 20 °C:**

0,1 g/l

(continua a pagina 5)

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

Stampato il: 16.07.2015

Revisione: 16.07.2015

Denominazione commerciale: DURCUPAN ACM EPOXY COMPONENT D

(Segue da pagina 4)

- | | |
|-----------------------------------------------------------|------------------------------------------|
| · Coefficiente di distribuzione (n-Octanol/acqua): | Non definito. |
| · Viscosità: | |
| Dinamica a 20 °C: | 12-14 mPas |
| Cinematica: | Non definito. |
| · Tenore del solvente: | |
| Solventi organici: | 0,0 % |
| VOC (CE) | 0,00 % |
| · 9.2 Altre informazioni | Non sono disponibili altre informazioni. |

SEZIONE 10: Stabilità e reattività

- **10.1 Reattività**
- **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** Non sono note reazioni pericolose.
- **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**

- **Valori LD/LC50 rilevanti per la classificazione:**

84-74-2 ftalato di dibutile

| | | |
|---------|------|----------------------|
| Orale | LD50 | 8000 mg/kg (rat) |
| Cutaneo | LD50 | 20000 mg/kg (rabbit) |

- **Irritabilità primaria:**
- **Corrosione/irritazione cutanea** Non ha effetti irritanti.
- **Lesioni oculari gravi/irritazioni oculari gravi** Non irritante.
- **Sensibilizzazione respiratoria o cutanea** Non si conoscono effetti sensibilizzanti.
- **Effetti CMR (cancerogenicità, mutagenicità e tossicità per la riproduzione)**
Repr. 1B

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.
- **Ulteriori indicazioni in materia ambientale:**
- **Ulteriori indicazioni:**
Pericolosità per le acque classe 2 (D) (Classif. secondo le liste): 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.
- **12.5 Risultati della valutazione PBT e vPvB**
- **PBT:** Non applicabile.

(continua a pagina 6)

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

Stampato il: 16.07.2015

Revisione: 16.07.2015

Denominazione commerciale: DURCUPAN ACM EPOXY COMPONENT D

(Segue da pagina 5)

- **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**

UN3082

- **14.2 Nome di spedizione dell'ONU**

- **ADR**

3082 MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S. (ftalato di dibutile)

- **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT

- **IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)

- **14.3 Classi di pericolo connesso al trasporto**

- **ADR**



- **Classe**

9 Materie ed oggetti pericolosi diversi

- **Etichetta**

9

- **IMDG, IATA**



- **Class**

9 Materie ed oggetti pericolosi diversi

- **Label**

-

- **14.4 Gruppo di imballaggio**

- **ADR, IMDG, IATA**

III

- **14.5 Pericoli per l'ambiente:**

- **Marine pollutant:**

Sì

Simbolo (pesce e albero)

- **Marcatura speciali (ADR):**

Simbolo (pesce e albero)

- **Marcatura speciali (IATA):**

Simbolo (pesce e albero)

- **14.6 Precauzioni speciali per gli utilizzatori**

Attenzione: Materie ed oggetti pericolosi diversi

- **Numero Kemler:**

90

(continua a pagina 7)

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

Stampato il: 16.07.2015

Revisione: 16.07.2015

Denominazione commerciale: DURCUPAN ACM EPOXY COMPONENT D

(Segue da pagina 6)

| | |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| · 14.7 Trasporto di rinfuse secondo l'allegato II di MARPOL 73/78 ed il codice IBC | Non applicabile. |
| · Trasporto/ulteriori indicazioni: | |
| · ADR | |
| · Quantità limitate (LQ) | 5L |
| · Quantità esenti (EQ) | Codice: E1 Quantità massima netta per imballaggio interno: 30 ml Quantità massima netta per imballaggio esterno: 1000 ml |
| · Categoria di trasporto | 3 |
| · Codice di restrizione in galleria | 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": | UN3082, MATERIA PERICOLOSA PER L'AMBIENTE, LIQUIDA, N.A.S. (ftalato di dibutile), 9, III |

SEZIONE 15: Informazioni sulla regolamentazione

- **15.1 Norme e legislazione su salute, sicurezza e ambiente specifiche per la sostanza o la miscela**
- **Direttiva 2012/18/UE**
- **Sostanze pericolose specificate - ALLEGATO I** La sostanza non è contenuta
- **Disposizioni nazionali:**
- **Ulteriori disposizioni, limitazioni e decreti proibitivi**
- **Sostanze estremamente preoccupanti (SVHC) ai sensi della regolamento REACH, articolo 57**
- 84-74-2 ftalato di dibutile
- **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.

- **Abbreviazioni e acronimi:**
ADR: Accord européen sur le transport 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
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
Repr. 1B: Reproductive toxicity, Hazard Category 1B
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

안전지침서

제외조의 2007/2006/EC에 따라 따라

기압점: 2015.07.16

개정: 2015.07.16

제품명: **CUPAN ACM EPOXY COMPONENT D**

(2 쪽부터 계속)

소방관에 소방관에게 알리고 사항 권고 사항
화재 화재 화재 발생 시 비상 탈출을 위한 비상 조치에 방출 조치 가 필요 없음.

6 누출 사고 시 대처방법

개인위생: 개인위생조치에 방출된 물질을 다량 흡입하지 않도록 주의하십시오.
환경: 누출된 물질을 방출된 장소로부터 멀리 떨어진 곳으로 옮기거나/해수면 위 물/지하수로 도달하지 않게 한다.
밀폐: 밀폐된 용기를 사용하여 방출된 액체를 안전하게 폐기하십시오.
액체가 혼합된 물질 (모래, 규조토, 산성 결합물, 일반 결합물, 톱밥)에 흡입되도록 한다.
항목 13에 따라 오염된 물질을 쓰레기로 처분한다.
충분한 환기가 되도록 한다.
식수: 식수 섭취를 삼가하십시오.
안전 관리에 대한 정보는 제7 장 을 참고하십시오.
개인 보호 장비에 대한 정보는 제8 장 을 참고하십시오.
쓰레기 처리에 대한 정보는 제13 장 을 참고하십시오.

7 취급 및 저장방법

취급 취급 취급
안전: 안전을 위해 적절한 방호 조치를 취하십시오.
작업장에서는 통풍이 잘 되고/습기 제거가 잘 되도록 주의한다.
조심스럽게 용기를 개봉하거나 취급한다.
연무질이 형성되는 것을 피한다.
화재: 화재 위험을 피하고, 화재 발생 시 적절한 방화 조치를 취하십시오.
· 혼합 위험성: 혼합 시 주의 사항을 꼭 지켜주세요.
보관: 보관보관
안전한 방법으로 보관하십시오. 특별한 요구 사항이 없습니다.
하나의 하위 용기를 다른 하위 용기에 옮기거나 다른 용기에 혼합하지 않습니다.
· 보관 조건에 관한 추가적인 정보는 제7 장 을 참고하십시오.
구체적 구체적 정보에 대한 추가적인 정보가 존재하지 않습니다.

8 노출방지 및 개인보호구

첨단 시설: 첨단 시설에서 작업할 때 적절한 개인 보호 장비를 착용하십시오. 의 자료는 없음. 항 목 7 을 참고하십시오.

통제: 통제 통제 변수

| | |
|----------------------------------|-----------------------------|
| · 화학물질의 노출 기준: 생물학적 노출 기준: 노출 기준 | |
| 84-74-2 dibutyl phthalate | |
| TLV (ROK) | 장기간의 값: 5 mg/m ³ |
| PEL (USA) | 장기간의 값: 5 mg/m ³ |
| REL (USA) | 장기간의 값: 5 mg/m ³ |
| TLV (USA) | 장기간의 값: 5 mg/m ³ |

· 추가 정보: 정보 조 할 당시에 유효 한 목 록을 기초로 사용했다.

노출 통제 통제 통제

개인 보호 구 보호 구

- 일반적 보호 조치 및 위생 조치:
 - 식료품, 음료수와 사료로부터 멀리 떨어져 두어 놓는다.
 - 더러워지거나 음료수가 묻은 옷은 즉시 탈의한다.
 - 휴식 전 이 나 작업이 끝날 때 마다 손을 씻는다.

(4 쪽에 계속)

안전지침서

제외조의 2007/2006/EC에 따라 따라

기압점: 2015.07.16

개정: 2015.07.16

제품명: **명제 품명: CUPAN ACM EPOXY COMPONENT D**

(3 쪽부터 계속)

방호복은 따로 보관한다.

호흡기 보호: 단 시간 또는 경미한 오염의 경우에는 호흡 여과기를 사용한다. 심각한 또는 장기간 노출시에는 호흡보호장비를 사용한다.

보통 보호: 장갑재질은 제품 / 원료 / 조제를 통과시키지 않아야 하고, 내구성이 있어야 한다. 테스트를 하지 않았기 때문에 제품 / 조제 / 화학 혼합물에 적합한 장갑재질에 대한 추천이 없다. 투과 시간, 침투율과 저하를 고려해서 장갑재료를 선택한다.

장갑의 재료: 적합한 장갑의 선정은 재질 차이뿐 아니라 품질 기준의 차이도 고려하여 이루어져야 하고 제조업자에 따라서 다르게 선정되어야 한다.

장갑 재료의 투과 시험: 투과 시간은 보호장갑 제조자에 의하여 인지되고, 준수되어야 한다.

보통 보호: 눈 보호용경을 착용할 경우 추천할 만한 보호안경.

9 물리화학적 특성

| | |
|--------------|-------------------------|
| 기본 정보 | |
| 일반정보 | 일반정보 |
| 외형 | 외형 |
| 물리적 상태 | 액체 |
| 색: | 색소가 없는 |
| 냄새 | 특색있는 |
| 후각역치 | 알맞지 않다. |
| pH: | neutral |
| 상태 변화 | |
| 녹는점 | -35.8 °C |
| 끓는점 | 340 °C |
| 인화점 | 188 °C |
| 인화성 | 해당사항 없음. |
| 점화 온도 | 390 °C |
| 분해 온도 | 알맞지 않다. |
| 자기점화 | 알맞지 않다. |
| 폭발 위험 | 이 제품은 폭발 위험성이 없다 |
| 인화성 | |
| 아래로 | <0.1 Vol % |
| 위로 | 1.97 Vol % |
| 증기압 | 0.00002 hPa |
| 중기밀도 | |
| 밀도 | 1.045 g/cm ³ |
| 비중 | 알맞지 않다. |
| 중기밀도 | 알맞지 않다. |
| 중발 | 알맞지 않다. |
| 용해도 | |
| 의경유 | 0.1 g/l |
| 옥탄올 | 알맞지 않다. |

(5 쪽에 계속)

안전지침서

제 제 제 조 의 조 9 7 / 2 0 0 6 / E C E C E E 라 따라

기압점: 2015.07.16

개정: 2015.07.16

제품명: CUPAN ACM EPOXY COMPONENT D

(4 쪽부터 계속)

접도점도점도
 화학성역활성역활성 의경유 12-14 mPas
 동점성동점성동점성 알맞지않다.

· 용매내용물

유기용매유기용매유기용매 0.0 %
 VOC (EU) 0.00 %
 기타 정보: 추가적인 정보가 존재하지 않습니다.

10 안정성 및 반응성

반응성반응성반응성

화학적화학적화학적 안정성

화학적화학적화학적 안정성: 위험성 평가를 위해 사용에 대한 알람을 30일 동안에 따라 사용할 경우 해체는 없다

유해반응유해반응유해반응: 반응으로 알려지지 않았다.

피해: 피해 알람을 위한 추가적인 정보가 존재하지 않습니다.

혼합: 혼합을 위한 추가적인 정보가 존재하지 않습니다.

· 유해분해물질: 위험성 있는 분해물들은 알려지지 않았다.

11 독성에 관한 정보

독성학적독성학적독성학적 정보

급성독성독성독성

· LD50에 수 제에 대한 분류

84-74-2 dibutyl phthalate

구강의 LD50 8000 mg/kg (rat)

피부의 LD50 20000 mg/kg (rabbit)

일차적일차적일차적 효과

피부: 피부 자극, 심한 자극

심한 심한 심한 자극, 심한 자극

감각화: 감각화, 감각화 영향이 없는 것으로 알려지었다.

다중: 다중, 다중, 다중 정보

· CMR 효과: 발암, 유전자 변형, 생식 독성

생식 독성 구분 1B

12 환경에 미치는 영향

독성독성독성

수생독성수생독성수생독성: 정보가 존재하지 않습니다.

지속성지속성지속성: 정보가 존재하지 않습니다.

환경계: 환경계에서 영향

생물농축생물농축생물농축: 정보가 존재하지 않습니다.

토양내: 토양내, 토양내 정보가 존재하지 않습니다.

추가적인 추가적인 추가적인 정보

일반: 일반, 일반

수질오염등급 2 (목록 분류): 수질오염이된

지하수나, 하천으로 또는 하수도망에도 도달하지 않게 한다.

지하수로 경미한 양이 유입되었을 경우 엔이미식수 오염 상태이다

(6 쪽에 계속)

안전지침서

제외조의조(2007/2006/EC)에 따라따라

기압점: 2015.07.16

개정: 2015.07.16

제품명제 품명제 품명 CUPAN ACM EPOXY COMPONENT D

(5 쪽부터계속)

잔류정잔류성잔류성물질은 유성물질물질물질v잔류정잔류성잔류성물질은 유성물질물질물질과 결과
 잔류정잔류성잔류성물질은 유성물질물질물질물질당사항 없음.
 · v잔류정잔류성잔류성물질은 유성물질물질물질당사항 없음.
 기빠지용 부작 용 부작용 인 정보가 존재 하지 않습니다.

13 폐기시 주의사항

폐기물 폐거를 폐기물처리방법
 권고 권고 권고할 쓰레기와 함께 처리되어서는 안된다. 하수도망으로 유입되어서는 안된다.

비위생적비위생적비위생적
 권고 권고 권고의 지침에 입각한 쓰레기 처리.

14 운송에 필요한 정보

유엔 유엔 유엔 번호

· ADR, IMDG, IATA UN3082

· 지정적장적정명 선적명

· ADR 3082 ENVIRONMENTALLY HAZARDOUS
 SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)
 · IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
 LIQUID, N.O.S. (dibutyl phthalate), MARINE
 POLLUTANT
 · IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
 LIQUID, N.O.S. (dibutyl phthalate)

교통 교통 교통 위험물 클래스

· ADR



등급 등급 등급

9 여러모로 위험한 물질과 물체

위험물 위험물 위험물

9

· IMDG, IATA



· Class
 · Label

9 여러모로 위험한 물질과 물체

-

용기 등급 용기 등급 용기 등급

· ADR, IMDG, IATA III

환경 위험 환경 위험 환경 위험 물질 유해 물질

· 해양 오염 물질:

네

특수 특수 특수 위험물 (R):

심벌 (물고기와 나무)

특수 특수 특수 위험물 (A):

심벌 (물고기와 나무)

심벌 (물고기와 나무)

(7 쪽에계속)

안전지침서

제외조의 2007/2006/EC에 따라 따라

기압점: 2015.07.16

개정: 2015.07.16

제품명: CUPAN ACM EPOXY COMPONENT D

(6 쪽부터 계속)

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 이 용 자 이 용 제 품 의 위 험 성 을 회 피 하 는 방 조 치 에 방 조 치 위험 위험 위험 코드 | 경고: 여러모로 위험한 물질과 물체 90 |
| · MARPOL 73/78 (선박으로부터의 해양오염방지협 약)에 따라 · UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), 9, III | 해당사항 없음. |
| · 운송/추가정보 | |
| · ADR 한정 한정 양 (수량) · Excepted quantities (EQ) | 5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| 운송 운송 구분 터널 터널 제한 코드 | 3 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 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), 9, III | |

15 법적 규제 현황

해당 물질은 물질안전보건자료(MSDS)에 기재된 위해정보에 따라 환경부 지정 유해물질로 분류

| | | |
|--------------------------------------|-------------------|----------|
| · Korean Existing Chemical Inventory | | |
| 84-74-2 | dibutyl phthalate | KE-02214 |

· 라벨 라벨 요소
본 화학물질은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

위험 위험 위험 도표



GHS08 GHS09

표지어 표지어

· 상 표 상 에 명 확 히 위 험 성 이 표 시 된 성 분:

dibutyl phthalate

위험 위험 위험 문구

태아 또는 생식능력에 손상을 일으킬 수 있음
수생생물에 매우 유독함

주의 주의 문구

(보호장갑·보호의·보안경·안면보호구)를(을) 착용 하시오.
환경으로 배출하지 마시오.
노출되거나 노출이 우려되면 의학적인 조치·조언을 구 하시오.
누출물을 모으시오.
잠금장치가 있는 저장장소에 저장 하시오.
현지/지역/국가/국제 규정에 따라서 내용물/용기 노출

(8 쪽에 계속)

안전지침서

제외조의조 94/2006/EC에 따라 따라

기압점: 2015.07.16

개정: 2015.07.16

제품명: **제품명: CUPAN ACM EPOXY COMPONENT D**

(7 쪽부터 계속)

화학물질화학물질화학물질화학물질화학물질 안전성 평가가 수행되지 않음

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

최초 원시 작성 일자 2016

개정 일자 2016.07.16

약어 약어에 대한 설명은 이 두 문 자어

- ADR: Accord européen sur le transport 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
- 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
- 생식 독성 구분 1B: Reproductive toxicity, Hazard Category 1B
- 수생환경유해성-급성 구분 1: Hazardous to the aquatic environment - Acute Hazard, Category 1

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 16.07.2015

Revisión: 16.07.2015

SECCIÓN 1: Identificación de la sustancia o la mezcla y de la sociedad o la empresa

- **1.1 Identificador del producto**
- **Nombre comercial:** DURCUPAN ACM EPOXY COMPONENT D
- **Número del artículo:** 14042D
- **Número CAS:**
84-74-2
- **Número CE:**
201-557-4
- **Número de clasificación:**
607-318-00-4
- **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
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
- **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**



GHS08 peligro para la salud

Repr. 1B H360Df Puede dañar al feto. Se sospecha que perjudica a la fertilidad.



GHS09 medio ambiente

Aquatic Acute 1 H400 Muy tóxico para los organismos acuáticos.

- **2.2 Elementos de la etiqueta**
- **Etiquetado con arreglo al Reglamento (CE) n° 1272/2008**
La sustancia se ha clasificado y etiquetado de conformidad con el reglamento CLP.

(se continua en página 2)

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Nombre comercial: DURCUPAN ACM EPOXY COMPONENT D

(se continua en página 1)

· **Pictogramas de peligro**

GHS08 GHS09

· **Palabra de advertencia Peligro**· **Componentes peligrosos a indicar en el etiquetaje:**

ftalato de dibutilo

· **Indicaciones de peligro**

H360Df Puede dañar al feto. Se sospecha que perjudica a la fertilidad.

H400 Muy tóxico para los organismos acuáticos.

· **Consejos de prudencia**

P280 Llevar guantes/prendas/gafas/máscara de protección.

P273 Evitar su liberación al medio ambiente.

P308+P313 EN CASO DE exposición manifiesta o presunta: Consultar a un médico.

P391 Recoger el vertido.

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

· **3.1 Caracterización química: Sustancias**· **Denominación N° CAS**

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· **Número(s) de identificación**· **Número CE:** 201-557-4· **Número de clasificación:** 607-318-00-4· **SVHC**

84-74-2 ftalato de dibutilo

SECCIÓN 4: Primeros auxilios

· **4.1 Descripción de los primeros auxilios**· **En caso de inhalación del producto:** Suministrar aire fresco. En caso de trastornos, consultar al médico.· **En caso de contacto con la piel:** Por regla general, el producto no irrita la piel.· **En caso de con los ojos:** Limpiar los ojos abiertos durante varios minutos con agua corriente.· **En caso de ingestión:** Consultar un médico si los trastornos persisten.· **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.

ES

(se continua en página 3)

Ficha de datos de seguridad

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Nombre comercial: DURCUPAN ACM EPOXY COMPONENT D

(se continua en página 2)

SECCIÓN 5: Medidas de lucha contra incendios

- **5.1 Medios de extinción**
- **Sustancias extintoras apropiadas:** Combatir los incendios con medidas adaptados al ambiente circundante.
- **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:** No se requieren medidas especiales.

SECCIÓN 6: Medidas en caso de vertido accidental

- **6.1 Precauciones personales, equipo de protección y procedimientos de emergencia** No es necesario.
- **6.2 Precauciones relativas al medio ambiente:**
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 ítem 13.
Asegurar suficiente ventilación.
- **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:** 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:** Ningunos, -as.
- **7.3 Usos específicos finales** No existen más datos relevantes disponibles.

SECCIÓN 8: Controles de exposición/protección individual

- **Instrucciones adicionales para el acondicionamiento de instalaciones técnicas:**
Sin datos adicionales, ver punto 7.

· 8.1 Parámetros de control

- **Componentes con valores límite admisibles que deben controlarse en el puesto de trabajo:**

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| | |
|-----|----------------------------------------------|
| LEP | Valor de larga duración: 5 mg/m ³ |
| | TR1B, ae, r |

- **Indicaciones adicionales:** Como base se han utilizado las listas vigentes en el momento de la elaboración.

(se continua en página 4)

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· **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.

· **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:**

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.

· **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:** Se recomienda el uso de gafas de protección durante el trasvase del producto.

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:** neutral

· **Cambio de estado**

Punto de fusión /campo de fusión: -35,8 °C

Punto de ebullición /campo de ebullición: 340 °C

· **Punto de inflamación:** 188 °C

· **Inflamabilidad (sólido, gaseiforme):** No aplicable.

· **Temperatura de ignición:** 390 °C

· **Temperatura de descomposición:** No determinado.

· **Autoinflamabilidad:** No determinado.

· **Peligro de explosión:** El producto no es explosivo.

· **Límites de explosión:**

Inferior: <0,1 Vol %

Superior: 1,97 Vol %

· **Presión de vapor a 162 °C:** 0,00002 hPa

(se continua en página 5)

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Revisión: 16.07.2015

Nombre comercial: DURCUPAN ACM EPOXY COMPONENT D

(se continua en página 4)

| | |
|----------------------------------------------------------|----------------------------------------------|
| · Densidad a 20 °C: | 1,045 g/cm ³ |
| · Densidad relativa | No determinado. |
| · Densidad de vapor | No determinado. |
| · Velocidad de evaporación | No determinado. |
| · Solubilidad en / miscibilidad con agua a 20 °C: | 0,1 g/l |
| · Coeficiente de reparto (n-octanol/agua): | No determinado. |
| · Viscosidad: | |
| Dinámica a 20 °C: | 12-14 mPas |
| Cinemática: | No determinado. |
| · Concentración del disolvente: | |
| Disolventes orgánicos: | 0,0 % |
| VOC (CE) | 0,00 % |
| · 9.2 Información adicional | No existen más datos relevantes disponibles. |

SECCIÓN 10: Estabilidad y reactividad

- **10.1 Reactividad**
- **10.2 Estabilidad química**
- **Descomposición térmica / condiciones que deben evitarse:** No se descompone al emplearse adecuadamente.
- **10.3 Posibilidad de reacciones peligrosas** No se conocen reacciones peligrosas.
- **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**

· **Valores LD/LC50 (dosis letal /dosis letal = 50%) relevantes para la clasificación:**

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| | | |
|--------|------|----------------------|
| Oral | LD50 | 8000 mg/kg (rat) |
| Dermal | LD50 | 20000 mg/kg (rabbit) |

- **Efecto estimulante primario:**
- **Corrosión o irritación cutáneas** No produce irritaciones.
- **Lesiones o irritación ocular graves** No produce irritaciones.
- **Sensibilización respiratoria o cutánea** No se conoce ningún efecto sensibilizante.
- **Efectos CMR (carcinogenicidad, mutagenicidad y toxicidad para la reproducción)**
Repr. 1B

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.

(se continua en página 6)

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(se continua en página 5)

- **Indicaciones medioambientales adicionales:**
- **Indicaciones generales:**
*Nivel de riesgo para el agua 2 (clasificación de listas): 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.*
- **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

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> · 14.1 Número UN · ADR, IMDG, IATA | <p style="text-align: center;">UN3082</p> |
| <ul style="list-style-type: none"> · 14.2 Designación oficial de transporte de las Naciones Unidas · ADR · IMDG · IATA | <p style="text-align: center;">3082 SUSTANCIA LÍQUIDA PELIGROSA PARA EL MEDIO AMBIENTE, N.E.P. (ftalato de dibutilo)</p> <p style="text-align: center;">ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate), MARINE POLLUTANT</p> <p style="text-align: center;">ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutyl phthalate)</p> |
| <ul style="list-style-type: none"> · 14.3 Clase(s) de peligro para el transporte · ADR | <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p style="text-align: center;">9 Materias y objetos peligrosos diversos</p> <p style="text-align: center;">9</p> |
| <ul style="list-style-type: none"> · IMDG, IATA | <div style="display: flex; justify-content: center; align-items: center;">  </div> <p style="text-align: center;">9 Materias y objetos peligrosos diversos</p> <p style="text-align: center;">-</p> |
| <ul style="list-style-type: none"> · 14.4 Grupo de embalaje · ADR, IMDG, IATA | <p style="text-align: center;">III</p> |

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| | |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| · 14.5 Peligros para el medio ambiente: | |
| · Contaminante marino: | Sí Símbolo (pez y árbol) |
| · Marcado especial (ADR): | Símbolo (pez y árbol) |
| · Marcado especial (IATA): | Símbolo (pez y árbol) |
| · 14.6 Precauciones particulares para los usuarios Atención: Materias y objetos peligrosos diversos | |
| · Número Kemler: | 90 |
| · 14.7 Transporte a granel con arreglo al anexo II del Convenio Marpol 73/78 y del 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 | 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: | UN3082, SUSTANCIA LÍQUIDA PELIGROSA PARA EL MEDIO AMBIENTE, N.E.P. (ftalato de dibutilo), 9, 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** No contiene la sustancia.
- **Disposiciones nacionales:**
- **Demás disposiciones, limitaciones y decretos prohibitivos**
- **Sustancias altamente preocupantes (SVHC) según REACH, artículo 57**
- 84-74-2 ftalato de dibutilo
- **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.

- **Abreviaturas y acrónimos:**
- ADR: Accord européen sur le transport 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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EINECS: European Inventory of Existing Commercial 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
Repr. 1B: Reproductive toxicity, Hazard Category 1B
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

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