

Safety Data Sheet

acc. to OSHA HCS

Printing date 07/01/2019

Reviewed on 07/01/2019

1 Identification

- **Product identifier**
- **Trade name:** Shur Mount Xylene Based
- **Article number:** 17991-01, 17991-06
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Electron Microscopy Sciences
 1560 Industry Road
 USA-Hatfield, PA 19440
 Tel: 215-412-8400 Fax: 215-412-8450
 email: info@emsdiasum.com
 www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**
 ChemTrec 1-800-424-9300 Contract CCN7661
 1-703-527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

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

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**

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

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger

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

toluene

BBP

2-(2-Hydroxy-5-methylphenyl)benzotriazole`

mequinol

· **Hazard statements**

*Highly flammable liquid and vapor.**Causes skin irritation.**May cause an allergic skin reaction.**May damage fertility or the unborn child.**May cause drowsiness or dizziness.**May cause damage to organs through prolonged or repeated exposure.**May be fatal if swallowed and enters airways.*

· **Precautionary statements**

*Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**Keep away from heat/sparks/open flames/hot surfaces. - No smoking.**Ground/bond container and receiving equipment.**Use explosion-proof electrical/ventilating/lighting/equipment.**Use only non-sparking tools.**Take precautionary measures against static discharge.**Do not breathe dust/fume/gas/mist/vapors/spray.**Wash thoroughly after handling.**Use only outdoors or in a well-ventilated area.**Contaminated work clothing must not be allowed out of the workplace.**Wear protective gloves/protective clothing/eye protection/face protection.**If swallowed: Immediately call a poison center/doctor.**Specific treatment (see on this label).**Do NOT induce vomiting.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF INHALED: Remove person to fresh air and keep comfortable for breathing.**IF exposed or concerned: Get medical advice/attention.**Call a poison center/doctor if you feel unwell.**Get medical advice/attention if you feel unwell.**Take off contaminated clothing and wash it before reuse.**If skin irritation or rash occurs: Get medical advice/attention.**Wash contaminated clothing before reuse.**In case of fire: Use for extinction: CO2, powder or water spray.**Store in a well-ventilated place. Keep container tightly closed.**Store in a well-ventilated place. Keep cool.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 3

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1

Fire = 3

Reactivity = 0

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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

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

· **Dangerous components:**

1330-20-7	xylene	>25- ≤50%
108-88-3	toluene	>25- ≤50%
2440-22-4	2-(2-Hydroxy-5-methylphenyl)benzotriazole`	≤2.5%
150-76-5	mequinol	≤2.5%
85-68-7	BBP	≤2.5%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** 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:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

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- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

1330-20-7	xylene	130 ppm
108-88-3	toluene	67 ppm
2530-85-0	3-trimethoxysilylpropyl methacrylate	71 mg/m ³
150-76-5	mequinol	15 mg/m ³
85-68-7	BBP	15 mg/m ³

· **PAC-2:**

1330-20-7	xylene	920* ppm
108-88-3	toluene	560 ppm
2530-85-0	3-trimethoxysilylpropyl methacrylate	780 mg/m ³
150-76-5	mequinol	49 mg/m ³
85-68-7	BBP	77 mg/m ³

· **PAC-3:**

1330-20-7	xylene	2500* ppm
108-88-3	toluene	3700* ppm
2530-85-0	3-trimethoxysilylpropyl methacrylate	4,700 mg/m ³
150-76-5	mequinol	320 mg/m ³
85-68-7	BBP	460 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

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- Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

1330-20-7 xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

108-88-3 toluene

PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	Long-term value: 75 mg/m ³ , 20 ppm BEI

150-76-5 mequinol

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

- **Ingredients with biological limit values:**

1330-20-7 xylene

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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108-88-3 toluene

BEI 0.02 mg/L
 Medium: blood
 Time: prior to last shift of workweek
 Parameter: Toluene

0.03 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Toluene

0.3 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: o-Cresol with hydrolysis (background)

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

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

· **Breathing equipment:**

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

· **Protection of hands:**



Protective gloves

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

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

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

· **Material of gloves**

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

· **Penetration time of glove material**

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

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· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

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

· Form:	Liquid
· Color:	Clear
· Odor:	Characteristic
· Odor threshold:	Not determined.

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

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.

· **Flash point:** 4 °C (39.2 °F)· **Flammability (solid, gaseous):** Not flammable.· **Ignition temperature:** 500 °C (932 °F)· **Decomposition temperature:** Not determined.· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.· **Explosion limits:**

· Lower:	1.1 Vol %
· Upper:	7 Vol %

· **Vapor pressure at 20 °C (68 °F):** 29 hPa (21.8 mm Hg)· **Density:** Not determined.· **Relative density:** Not determined.· **Vapor density:** Not determined.· **Evaporation rate:** Not determined.· **Solubility in / Miscibility with**· **Water:** Not miscible or difficult to mix.· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**

· Dynamic:	Not determined.
· Kinematic:	Not determined.

· **Solvent content:**

· Organic solvents:	66.0 %
· Water:	30.4 %

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VOC content:	66.00 % 948.3 g/l / 7.91 lb/gal
Solids content:	0.9 %
Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** 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:**

1330-20-7 xylene

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

108-88-3 toluene

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)

85-68-7 BBP

Oral	LD50	2,330 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

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

- **Carcinogenic categories**

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

1330-20-7	xylene	3
108-88-3	toluene	3
85-68-7	BBP	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

12 Ecological information

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

13 Disposal considerations

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

14 Transport information

- | | |
|----------------------------------|------------------------------|
| · UN-Number | |
| · DOT, ADR, IMDG, IATA | UN1170 |
| · UN proper shipping name | |
| · DOT | Ethanol |
| · ADR | 1170 ETHANOL (ETHYL ALCOHOL) |
| · IMDG | ETHANOL (ETHYL ALCOHOL) |
| · IATA | ETHANOL |

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Trade name: *Shur Mount Xylene Based*

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

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

· **ADR, IMDG, IATA**

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

· **Packing group**· **DOT, ADR, IMDG, IATA** II· **Environmental hazards:** Not applicable.· **Special precautions for user** Warning: Flammable liquids· **Danger code (Kemler):** 33· **EMS Number:** F-E,S-D· **Stowage Category** A

· **Transport in bulk according to Annex II of
 MARPOL73/78 and the IBC Code** Not applicable.

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

· **Quantity limitations** On passenger aircraft/rail: 5 L
 On cargo aircraft only: 60 L

· **ADR**

· **Excepted quantities (EQ)** Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

· **IMDG**

· **Limited quantities (LQ)** 1L
 · **Excepted quantities (EQ)** Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":** UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II

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Reviewed on 07/01/2019

Trade name: **Shur Mount Xylene Based**

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15 Regulatory information

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

· **Sara**

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

None of the ingredients is listed.

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

1330-20-7 xylene

108-88-3 toluene

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

1330-20-7 xylene

ACTIVE

108-88-3 toluene

ACTIVE

2530-85-0 3-trimethoxysilylpropyl methacrylate

ACTIVE

2440-22-4 2-(2-Hydroxy-5-methylphenyl)benzotriazole`

ACTIVE

150-76-5 mequinol

ACTIVE

85-68-7 BBP

ACTIVE

7732-18-5 Deionized Water, Reagent Grade A.C.S.

ACTIVE

· **Hazardous Air Pollutants**

1330-20-7 xylene

108-88-3 toluene

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

108-88-3 toluene

85-68-7 BBP

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

1330-20-7 xylene

I

108-88-3 toluene

II

85-68-7 BBP

C

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

1330-20-7 xylene

A4

108-88-3 toluene

A4

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

None of the ingredients is listed.

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

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Reviewed on 07/01/2019

Trade name: **Shur Mount Xylene Based**

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· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** *Danger*· **Hazard-determining components of labeling:***toluene**BBP**2-(2-Hydroxy-5-methylphenyl)benzotriazole`**mequinol*· **Hazard statements***Highly flammable liquid and vapor.**Causes skin irritation.**May cause an allergic skin reaction.**May damage fertility or the unborn child.**May cause drowsiness or dizziness.**May cause damage to organs through prolonged or repeated exposure.**May be fatal if swallowed and enters airways.*· **Precautionary statements***Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**Keep away from heat/sparks/open flames/hot surfaces. - No smoking.**Ground/bond container and receiving equipment.**Use explosion-proof electrical/ventilating/lighting/equipment.**Use only non-sparking tools.**Take precautionary measures against static discharge.**Do not breathe dust/fume/gas/mist/vapors/spray.**Wash thoroughly after handling.**Use only outdoors or in a well-ventilated area.**Contaminated work clothing must not be allowed out of the workplace.**Wear protective gloves/protective clothing/eye protection/face protection.**If swallowed: Immediately call a poison center/doctor.**Specific treatment (see on this label).**Do NOT induce vomiting.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF INHALED: Remove person to fresh air and keep comfortable for breathing.**IF exposed or concerned: Get medical advice/attention.**Call a poison center/doctor if you feel unwell.**Get medical advice/attention if you feel unwell.**Take off contaminated clothing and wash it before reuse.**If skin irritation or rash occurs: Get medical advice/attention.**Wash contaminated clothing before reuse.**In case of fire: Use for extinction: CO2, powder or water spray.**Store in a well-ventilated place. Keep container tightly closed.**Store in a well-ventilated place. Keep cool.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

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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** 07/01/2019 / -

· **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

ELINCS: European List of Notified Chemical Substances

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

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety **Health**

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

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

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 1B: Reproductive toxicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Safety Data Sheet

according to WHS Regulations

Printing date 01.07.2019

Revision: 01.07.2019

1 Identification

- **Product identifier**
- **Trade name:** Shur Mount Xylene Based
- **Article number:** 17991-01, 17991-06
- **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)
Website: ems.proscitech.com
- Emgrid Australia Pty. Ltd.
P.O. Box 118
The Patch VIC 3792
Australia
Tel: 03 9752 1785
Fax: 03 9752 1784
Website: www.emgrid.com.au
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

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

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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Printing date 01.07.2019

Revision: 01.07.2019

Trade name: **Shur Mount Xylene Based**

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Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

· **Label elements**

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

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** *Danger*

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

toluene

BBP

2-(2-Hydroxy-5-methylphenyl)benzotriazole`

mequinol

· **Hazard statements**

Highly flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction.

May damage fertility or the unborn child.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

· **Precautionary statements**

Obtain special instructions before use.

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

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

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

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

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

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

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

IF exposed or concerned: Get medical advice/attention.

Call a POISON CENTER/doctor if you feel unwell.

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use for extinction: CO2, powder or water spray.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

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- 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 and Information on Ingredients

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

- **Dangerous components:**

1330-20-7	xylene	>25-≤50%
108-88-3	toluene	>25-≤50%
2440-22-4	2-(2-Hydroxy-5-methylphenyl)benzotriazole`	≤2.5%
150-76-5	mequinol	≤2.5%
85-68-7	BBP	≤2.5%

- **SVHC**

85-68-7	BBP
---------	-----

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

4 First Aid Measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** 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:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

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6 Accidental Release Measures

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

7 Handling and Storage

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

8 Exposure controls and personal protection

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

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

1330-20-7 xylene

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

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108-88-3 toluene

NES Short-term value: 574 mg/m³, 150 ppm
 Long-term value: 191 mg/m³, 50 ppm
 Sk

WES Short-term value: 574 mg/m³, 150 ppm
 Long-term value: 191 mg/m³, 50 ppm
 Sk

150-76-5 mequinol

NES Long-term value: 5 mg/m³
 Sen

WES Long-term value: 5 mg/m³
 Sen

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

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

· **Protection of hands:**



Protective gloves

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

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

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

· **Material of gloves**

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

· **Penetration time of glove material**

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

· **Eye protection:**



Tightly sealed goggles

-AU-

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9 Physical and Chemical Properties

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

· **General Information**

· **Appearance:**

· Form:	Liquid
· Colour:	Clear
· Odour:	Characteristic
· Odour threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	Undetermined.

· **Flash point:** 4 °C

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

· **Ignition temperature:** 500 °C

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

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

· **Explosion limits:**

· Lower:	1.1 Vol %
· Upper:	7 Vol %

· **Vapour pressure at 20 °C:** 29 hPa

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

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

Not miscible or difficult to mix.

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

· **Viscosity:**

· Dynamic:	Not determined.
· Kinematic:	Not determined.

· **Solvent content:**

· Organic solvents:	66.0 %
· Water:	30.4 %
· VOC (EC)	66.00 %

· **Solids content:** 0.9 %

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

10 Stability and Reactivity

· **Reactivity** No further relevant information available.

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- **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:**

1330-20-7 xylene

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

108-88-3 toluene

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)

85-68-7 BBP

Oral	LD50	2,330 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant
- **CMR effects (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.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms

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- **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	UN1170
· UN proper shipping name · ADG · IMDG · IATA	1170 ETHANOL (ETHYL ALCOHOL) ETHANOL (ETHYL ALCOHOL) ETHANOL
· Transport hazard class(es) · ADG, IMDG, IATA	
	
· Class · Label	3 Flammable liquids. 3
· Packing group · ADG, IMDG, IATA	II
· Environmental hazards:	Not applicable.
· Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category	Warning: Flammable liquids. 33 F-E,S-D A
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2

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Trade name: **Shur Mount Xylene Based**

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· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II

15 Regulatory information

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

· **Australian Inventory of Chemical Substances**

All ingredients are listed.

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

1330-20-7	xylene	S6
108-88-3	toluene	S6
85-68-7	BBP	S10

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

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** *Danger*

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

toluene

BBP

2-(2-Hydroxy-5-methylphenyl)benzotriazole`

mequinol

· **Hazard statements**

Highly flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction.

May damage fertility or the unborn child.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

· **Precautionary statements**

Obtain special instructions before use.

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

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

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

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Use only outdoors or in a well-ventilated area.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 Specific treatment (see on this label).
 Do NOT induce vomiting.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF exposed or concerned: Get medical advice/attention.
 Call a POISON CENTER/doctor if you feel unwell.
 Get medical advice/attention if you feel unwell.
 Take off contaminated clothing and wash it before reuse.
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 In case of fire: Use for extinction: CO₂, powder or water spray.
 Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- National regulations:
- Other regulations, limitations and prohibitive regulations

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

85-68-7	BBP
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- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

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

· 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
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 2: Flammable liquids – Category 2
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Skin Sens. 1: Skin sensitisation – Category 1
 Repr. 1B: Reproductive toxicity – Category 1B
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1

Safety Data Sheet

according to HPR, Schedule 1

Printing date 07/01/2019

Reviewed on 07/01/2019

1 Identification

- **Product identifier**
- **Trade name:** Shur Mount Xylene Based
- **Article number:** 17991-01, 17991-06
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Electron Microscopy Sciences
 1560 Industry Road
 USA-Hatfield, PA 19440
 Tel: 215-412-8400 Fax: 215-412-8450
 email: info@emsdiasum.com
 www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**
 ChemTrec 1-800-424-9300 Contract CCN7661
 1-703-527-3887

2 Hazard identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 2

H225 Highly flammable liquid and vapour.



GHS08 Health hazard

Reproductive Toxicity - Category 1B

H360 May damage fertility or the unborn child.

Specific Target Organ Toxicity - Repeated Exposure - Category 2

H373 May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard - Category 1

H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irritation - Category 2

H315 Causes skin irritation.

Skin Sensitizer - Category 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure - Category 3

H336 May cause drowsiness or dizziness.

- **Label elements**

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

- **Hazard pictograms**



GHS02



GHS07



GHS08

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Trade name: **Shur Mount Xylene Based**

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· **Signal word** *Danger*

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

*toluene**BBP**2-(2-Hydroxy-5-methylphenyl)benzotriazole`**mequinol*

· **Hazard statements**

*Highly flammable liquid and vapour.**Causes skin irritation.**May cause an allergic skin reaction.**May damage fertility or the unborn child.**May cause drowsiness or dizziness.**May cause damage to organs through prolonged or repeated exposure.**May be fatal if swallowed and enters airways.*

· **Precautionary statements**

*Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**Ground and bond container and receiving equipment.**Use explosion-proof [electrical/ventilating/lighting] equipment.**Use non-sparking tools.**Take actions to prevent static discharges.**Do not breathe dust/fume/gas/mist/vapours/spray.**Wash thoroughly after handling.**Use only outdoors or in a well-ventilated area.**Contaminated work clothing should not be allowed out of the workplace.**Wear protective gloves/protective clothing/eye protection/face protection.**If swallowed: Immediately call a poison center/doctor.**Specific treatment (see on this label).**Do NOT induce vomiting.**IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].**IF INHALED: Remove person to fresh air and keep comfortable for breathing.**IF exposed or concerned: Get medical advice/attention.**Call a poison center/doctor if you feel unwell.**Get medical advice/attention if you feel unwell.**Take off contaminated clothing and wash it before reuse.**If skin irritation or rash occurs: Get medical advice/attention.**In case of fire: Use for extinction: CO₂, powder or water spray.**Store in a well-ventilated place. Keep container tightly closed.**Store in a well-ventilated place. Keep cool.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**

*Health = 1**Fire = 3**Reactivity = 0*

· **HMIS-ratings (scale 0 - 4)**

*Health = 1**Fire = 3**Reactivity = 0*

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Trade name: **Shur Mount Xylene Based**

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3 Composition/Information on ingredients

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

· Dangerous components:		
1330-20-7	xylene	15-40% w/w *
108-88-3	toluene	15-40% w/w *
2440-22-4	2-(2-Hydroxy-5-methylphenyl)benzotriazole`	0.1-1% w/w *
150-76-5	mequinol	0.1-1% w/w *
85-68-7	BBP	0.1-1% w/w *

* Actual concentration ranges are withheld as a trade secret.

4 First aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** 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 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

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

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Do not flush with water or aqueous cleansing agents

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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

8 Exposure controls/ Personal protection

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

· **Control parameters**

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

1330-20-7 xylene

EL Short-term value: 150 ppm

Long-term value: 100 ppm

EV Short-term value: 650 mg/m³, 150 ppm

Long-term value: 435 mg/m³, 100 ppm

108-88-3 toluene

EL Long-term value: 20 ppm

R

EV Long-term value: 20 ppm

150-76-5 mequinol

EL Long-term value: 5 mg/m³

EV Long-term value: 5 mg/m³

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

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Trade name: **Shur Mount Xylene Based**

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- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

- **Breathing equipment:**

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

- **Protection of hands:**



Protective gloves

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

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

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

- **Material of gloves**

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

- **Penetration time of glove material**

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

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form: Liquid

Color: Clear

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

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

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

- **Flash point:** 4 °C

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Trade name: *Shur Mount Xylene Based*

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· Flammability (solid, gaseous):	Not flammable.
· Ignition temperature:	500 °C
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	7 Vol %
· Vapor pressure at 20 °C:	29 hPa
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	66.0 %
Water:	30.4 %
Solids content:	0.9 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** 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:		
1330-20-7 xylene		
Oral	LD50	4,300 mg/kg (rat)

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Dermal	LD50	2,000 mg/kg (rabbit)
108-88-3 toluene		
Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)
85-68-7 BBP		
Oral	LD50	2,330 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

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

Harmful

Irritant

- **Carcinogenic categories**

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

1330-20-7	xylene	3
108-88-3	toluene	3
85-68-7	BBP	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

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

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

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

Harmful to aquatic organisms

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

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Reviewed on 07/01/2019

Trade name: *Shur Mount Xylene Based*

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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, ADR, IMDG, IATA** *UN1170*
- **UN proper shipping name**
- **DOT/TDG** *Ethanol*
- **ADR** *1170 ETHANOL (ETHYL ALCOHOL)*
- **IMDG** *ETHANOL (ETHYL ALCOHOL)*
- **IATA** *ETHANOL*

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



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

- **ADR, IMDG, IATA**



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

- **Packing group**
- **DOT/TDG, ADR, IMDG, IATA** *II*

- **Environmental hazards:** *Not applicable.*

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

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** *Not applicable.*

- **Transport/Additional information:**

- **DOT/TDG**
- **Quantity limitations** *On passenger aircraft/rail: 5 L*
On cargo aircraft only: 60 L

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- | | |
|--|---|
| <ul style="list-style-type: none"> · ADR · Excepted quantities (EQ) | <ul style="list-style-type: none"> Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | <ul style="list-style-type: none"> 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| <ul style="list-style-type: none"> · UN "Model Regulation": | <ul style="list-style-type: none"> UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II |

15 Regulatory information

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

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

None of the ingredients is listed.

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

1330-20-7 xylene

108-88-3 toluene

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

1330-20-7 xylene

ACTIVE

108-88-3 toluene

ACTIVE

2530-85-0 3-trimethoxysilylpropyl methacrylate

ACTIVE

2440-22-4 2-(2-Hydroxy-5-methylphenyl)benzotriazole`

ACTIVE

150-76-5 mequinol

ACTIVE

85-68-7 BBP

ACTIVE

7732-18-5 Deionized Water, Reagent Grade A.C.S.

ACTIVE

- **Canadian substance listings:**

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

All ingredients are listed.

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

None of the ingredients is listed.

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

108-88-3 toluene

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

- **Hazard pictograms**



GHS02

GHS07

GHS08

- **Signal word** Danger

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

toluene

BBP

2-(2-Hydroxy-5-methylphenyl)benzotriazole`

mequinol

· **Hazard statements**

Highly flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction.

May damage fertility or the unborn child.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

· **Precautionary statements**

Obtain special instructions before use.

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

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

Ground and bond container and receiving equipment.

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

Use non-sparking tools.

Take actions to prevent static discharges.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

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

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

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

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

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

In case of fire: Use for extinction: CO₂, powder or water spray.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

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

16 Other information

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

· **Date of the latest revision of the safety data sheet** 07/01/2019 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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*CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**HMIS: Hazardous Materials Identification System (USA)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative*

CA

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

Printing date 01.07.2019

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

- **1.1 Product identifier**
- **Trade name:** Shur Mount Xylene Based
- **Article number:** 17991-01, 17991-06
- **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**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Repr. 1B H360Df May damage the unborn child. Suspected of damaging fertility.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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

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Trade name: **Shur Mount Xylene Based**

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· **Hazard pictograms**

GHS02 GHS07 GHS08

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

toluene

BBP

· **Hazard statements**H225 *Highly flammable liquid and vapour.*H315 *Causes skin irritation.*H360Df *May damage the unborn child. Suspected of damaging fertility.*H336 *May cause drowsiness or dizziness.*H373 *May cause damage to organs through prolonged or repeated exposure.*H304 *May be fatal if swallowed and enters airways.*H412 *Harmful to aquatic life with long lasting effects.*· **Precautionary statements**P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*P321 *Specific treatment (see on this label).*P331 *Do NOT induce vomiting.*P303+P361+P353 *IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*P362+P364 *Take off contaminated clothing and wash it before reuse.*P405 *Store locked up.*P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Additional information:**

Contains 2-(2-Hydroxy-5-methylphenyl)benzotriazole, mequinol. May produce an allergic reaction.

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

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 1330-20-7 EINECS: 215-535-7	xylene ----- ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	>25- ≤50%
CAS: 108-88-3 EINECS: 203-625-9	toluene ----- ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	>25- ≤50%
CAS: 2440-22-4 EINECS: 219-470-5	2-(2-Hydroxy-5-methylphenyl)benzotriazole ----- ⚠ Skin Sens. 1B, H317; Aquatic Chronic 4, H413	≤2.5%

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Trade name: **Shur Mount Xylene Based**

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CAS: 150-76-5	mequinol	≤2.5%
EINECS: 205-769-8	⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 85-68-7	BBP	≤2.5%
EINECS: 201-622-7	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
· SVHC		
85-68-7	BBP	

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

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

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

· After inhalation:

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

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

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

· After swallowing: 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: CO₂, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents: Water with full jet

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

· 5.3 Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **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:**

1330-20-7 xylene

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

108-88-3 toluene

WEL	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk
-----	--

85-68-7 BBP

WEL	Long-term value: 5 mg/m ³
-----	--------------------------------------

- **Ingredients with biological limit values:**

1330-20-7 xylene

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

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

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Trade name: **Shur Mount Xylene Based**

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· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:***Keep away from foodstuffs, beverages and feed.**Immediately remove all soiled and contaminated clothing**Wash hands before breaks and at the end of work.**Store protective clothing separately.**Avoid contact with the skin.**Avoid contact with the eyes and skin.*· **Respiratory protection:***In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*· **Protection of hands:**

Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.**Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*· **Material of gloves***The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*· **Penetration time of glove material***The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*· **Eye protection:**

Tightly sealed goggles

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:****Form:** Liquid**Colour:** Clear· **Odour:** Characteristic· **Odour threshold:** Not determined.· **pH-value:** Not determined.· **Change in condition****Melting point/freezing point:** Undetermined.**Initial boiling point and boiling range:** Undetermined.· **Flash point:** 4 °C

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· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	500 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	7 Vol %
· Vapour pressure at 20 °C:	29 hPa
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	66.0 %
Water:	30.4 %
VOC (EC)	66.00 %
Solids content:	0.9 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** 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** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
1330-20-7 xylene		
Oral	LD50	4,300 mg/kg (rat)

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Dermal	LD50	2,000 mg/kg (rabbit)
108-88-3 toluene		
Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)
85-68-7 BBP		
Oral	LD50	2,330 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity**
May damage the unborn child. Suspected of damaging fertility.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure**
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

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

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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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	UN1170
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1170 ETHANOL (ETHYL ALCOHOL) ETHANOL (ETHYL ALCOHOL) ETHANOL
· 14.3 Transport hazard class(es) · ADR, IMDG, IATA	 · Class 3 Flammable liquids. · Label 3
· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category	Warning: Flammable liquids. 33 F-E,S-D A
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category · Tunnel restriction code	2 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II

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Trade name: **Shur Mount Xylene Based**

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SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Sveso category P5c FLAMMABLE LIQUIDS**

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

85-68-7	BBP	Sunset date: 2015-02-21
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· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 30, 48, 51c

· **Regulation (EU) No 649/2012**

85-68-7	BBP	Annex I Part 1 Annex I Part 2
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· **National regulations:**

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

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

85-68-7	BBP
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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H360Df May damage the unborn child. Suspected of damaging fertility.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

· **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

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

(Contd. on page 10)

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

Printing date 01.07.2019

Revision: 01.07.2019

Trade name: Shur Mount Xylene Based

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*LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 2: Flammable liquids – Category 2**Flam. Liq. 3: Flammable liquids – Category 3**Acute Tox. 4: Acute toxicity – Category 4**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Skin Sens. 1: Skin sensitisation – Category 1**Skin Sens. 1B: Skin sensitisation – Category 1B**Repr. 1B: Reproductive toxicity – Category 1B**Repr. 2: Reproductive toxicity – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3**Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4*

GB

化学品安全技术说明书

据根根据据根T 16483-2008, GB/T 17519-2013

打印日期 2019.07.01

在 2019.07.01 审核

1 化学品及企业标识

- **产品识别者**
- **化学品中文名称/英文名称/化学品俗名或商品名:** Shur Mount Xylene Based
- **商品编号:** 17991-01, 17991-06
- **相应纯物质或者混合物的相关下位用途及禁止用途** 无相关详细资料。
- **原材料的应用/准备工作进行** 实验室化学物
- **安全技术说明书内供应商详细信息**
- **企业名称:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **可获取更多资料的部门:** Product safety department
- **紧急联系电话号码:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 危险性概述

· 紧急情况概述:

纯净的，液体，高度易燃液体和蒸气。吸入可能有害。造成皮肤刺激。可能对生育能力或胎儿造成伤害。可引起昏睡或眩晕。长期或反复接触可能对器官造成伤害。吞咽并进入呼吸道可能致命。对水生生物有害并具有长期持续影响。

· GHS危险性类别



火焰

易燃液体 第2类

H225 高度易燃液体和蒸气



健康危害

生殖毒性 第1B类

H360 可能对生育能力或胎儿造成伤害

特定靶器官系统毒性 (重复接触) 第2类 H373 长期或反复接触可能对器官造成伤害

吸入危险 第1类 H304 吞咽并进入呼吸道可能致命



皮肤腐蚀/刺激 第2类

H315 造成皮肤刺激

特定靶器官系统毒性 (单次接触) 第3类 H336 可引起昏睡或眩晕

急性毒性(吸入) 第5类

H333 吸入可能有害

对水环境的危害(急性) 第3类

H402 对水生生物有害

对水环境的危害(慢性) 第3类

H412 对水生生物有害并具有长期持续影响

· 标签因素

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

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图示图示图示



名称名称名称

· 标签上辨别危险的成份:

- 二甲苯异构体混合物
- 苯基甲烷
- 苯二甲酸苄丁酯

· 危险字句

- 高度易燃液体和蒸气
- 吸入可能有害
- 造成皮肤刺激
- 可能对生育能力或胎儿造成伤害
- 可引起昏睡或眩晕
- 长期或反复接触可能对器官造成伤害
- 吞咽并进入呼吸道可能致命
- 对水生生物有害并具有长期持续影响

· 警戒字句

· 事故响应

- 如误吞咽:立即呼叫急救中心/医生
- 具体治疗(见本标签上的)
- 不得诱导呕吐
- 如皮肤(或头发)沾染:立即脱掉所有沾染的衣服。用水清洗皮肤/淋浴
- 脱掉沾染的衣服,清洗后方可重新使用

· 安全储存

- 存放处须加锁

· 废弃处置

- 处置内装物/容器按照地方/区域/国家/国际规章

· 其他有害性

- PBT(残留性、生物浓缩性、毒性物质) 及 vPvB(高残留性、高生物浓缩性物质)评价结果
- PBT(残留性、生物浓缩性、毒性物质) 不适用的
- vPvB(高残留性、高生物浓缩性物质): 不适用的

3 成分/组成信息

· 混合物

描述描述描述以下含有无害添加济的成分组成的混合物

· 危险的成分:

1330-20-7	二甲苯异构体混合物 ⚠ 易燃液体 第3类, H226; ⚠ 急性毒性(径皮肤) 第4类, H312; 急性毒性(吸入) 第4类, H332; 皮肤腐蚀/刺激 第2类, H315; 急性毒性(径口) 第5类, H303	>25-≤50%
108-88-3	苯基甲烷 ⚠ 易燃液体 第2类, H225; ⚠ 生殖毒性 第2类, H361; 特定靶器官系统毒性(重复接触) 第2类, H373; 吸入危险 第1类, H304; ⚠ 皮肤腐蚀/刺激 第2类, H315; 特定靶器官系统毒性(单次接触) 第3类, H336; 急性毒性(径口) 第5类, H303	>25-≤50%

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		(在 2 页继续)
2440-22-4	2-(2H-苯并三唑-2-基)-4-甲基苯酚 ⚠ 敏化(皮肤) 第1B类, H317; 对水环境的危害(慢性) 第4类, H413	≤2.5%
150-76-5	对羟基苯甲醚 ⚠ 急性毒性(经口) 第4类, H302; 严重眼睛损伤/眼睛刺激性 第2类, H319; 敏化(皮肤) 第1类, H317	≤2.5%
85-68-7	苯二甲酸苄丁酯 ⚠ 生殖毒性 第1B类, H360; ⚠ 对水环境的危害(急性) 第1类, H400; 对水环境的危害(慢性) 第1类, H410; 急性毒性(经口) 第5类, H303	≤2.5%

4 急救措施

· 应急措施要领

· **总说明:** 中毒的症状可能会在几个小时以后才出现;因此在发生事故之后起码要有 48 小时的医疗观察。

吸入吸入吸入

供给新鲜空气. 如有需要,提供人工呼吸. 让病人保暖. 如果症状持续则询问医生.

万一病人不清醒时,请让病人侧躺以便移动.

· **皮肤接触:** 马上用水和肥皂进行彻底的冲洗.

· **眼睛接触:** 张开眼睛在流水下冲洗数分钟.

食入食入食入如果症状仍然持续,请咨询医生.

· 给医生的资料:

· **最重要的急慢性症状及其影响** 无相关详细资料。

· **需要及时的医疗处理及特别处理的症状** 无相关详细资料。

5 消防措施

· 灭火方法

· **灭火的方法和灭火剂:** 使用二氧化碳 (CO₂)、沙粒、灭火粉末. 切勿使用水.

· **为了安全,不适当的灭火剂会:** 使用全喷嘴的水

· **特别危险性** 无相关详细资料。

· 特殊灭火方法

· **消防人员特殊的防护装备:** 口腔呼吸保护装置.

6 泄漏应急处理

· **保护措施** 带上保护仪器. 让未受到保护的人们远离.

· 环境保护措施:

如果渗入了水源或污水系统,请通知有关当局.

切勿让其进入下水道/水面或地下水.

· 密封及净化方法和材料:

吸收液体粘合原料 (沙粒、硅藻土、酸性粘合剂、通用粘合剂、锯屑).

根据第 13 条条款弃置受污染物.

确保有足够的通风装置.

切勿用水或水溶清洁剂来冲清.

· 参照其他部分

有关安全处理的资料请参阅第 7 节.

有关个人防护装备的的资料请参阅第 8 节.

有关弃置的资料请参阅第 13 节.

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7 操作处置与储存

· 操作处置

储存 储存 储存

确保工作间有良好的通风/排气装置.

小心打开及处理贮藏器.

防止气溶胶的形成.

· 有关火灾及防止爆炸的资料:

远离火源 - 切勿吸烟.

防热.

防静电.

提供呼吸保护装置.

· 混合危险性等安全储存条件

储存 储存 储存

· 储存库和容器须要达到的要求: 储存在阴凉的位置.

· 有关使用一个普通的储存设施来储存的资料: 不需要.

· 有关储存条件的更多资料:

将容器密封.

储存密封的贮藏器内,并放在阴凉、干爽的位置.

免受接触热力和直接受阳光照射.

· 具体的最终用户 无相关详细资料.

8 接触控制和个体防护

· 工程控制方法: 没有进一步数据;见第 7 项.

· 控制变数

· 在工作场需要监控的限值成分

1330-20-7 二甲苯异构体混合物

OEL (CN) PC-STEL: 100 mg/m³

PC-TWA: 50 mg/m³

PEL (TW) PC-TWA: 434 mg/m³, 100 ppm

108-88-3 苯基甲烷

OEL (CN) PC-STEL: 100 mg/m³

PC-TWA: 50 mg/m³

PEL (TW) PC-TWA: 376 mg/m³, 100 ppm

150-76-5 对羟基苯甲醛

PEL (TW) PC-TWA: 5 mg/m³

· 额外的资料: 制作期间有效的清单将作为基础来使用.

· 泄漏控制

· 个人防护设备:

· 一般保护和卫生措施:

远离食品、饮料和饲料.

立即除去所有的不洁的和被污染的衣服.

在休息之前和工作完毕后请清洗双手.

分开储存保护性衣服.

避免和皮肤接触.

避免和眼睛及皮肤接触.

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-CN

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· 呼吸系统防护:

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

· 手防护:



保护手套

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

· 手套材料

选择合适的手套不单取决于材料,亦取决于质量特征,以及来自哪一间生产厂家,因为该产品是由很多材料配制而成,手套材料的抵抗力并不可预计,所以,必须在使用之前进行检查

· 渗入手套材料的时间 请向劳保手套生产厂家获取准确的破裂时间并观察实际的破裂时间

· 眼睛防护:



密封的护目镜

9 理化特性

· 有关基本物理及化学特性的信息

· 一般说明

外观外观外观

形状形状形状	液体
颜色颜色颜色	纯净的
气味气味气味	有特性的
· 嗅觉阈限	未决定.

· pH值: 未决定.

· 条件的更改

熔点熔点熔点	未确定的
沸点沸点沸点	未确定的

闪点闪点闪点 4 °C

· 可燃性(固体、气体): 不适用的

点火温度温度温度 500 °C

· 分解温度: 未决定.

· 自燃温度: 该产品是不自燃的

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

爆炸爆炸爆炸:

较低较低较低	1.1 Vol %
较高:	7 Vol %

· 蒸气压 在 20 °C: 29 hPa

· 密度: 未决定的

· 相对密度 未决定.

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· 蒸气密度	未决定.
· 蒸发速率	未决定.
溶解性	
· 水:	不能拌和的或难以拌和
· 辛醇/水分配系数	未决定.
· 黏性:	
· 动态运动	未决定.
· 运动速率	未决定.
· 溶剂成份:	
· 有机溶剂	66.0 %
· 水:	30.4 %
· 固体成份:	0.9 %
· 其他信息	无相关详细资料。

10 稳定性和反应性

- 稳定性: 无相关详细资料。
- 稳定性: 稳定
- 热分解: 避免燃烧情况: 如果遵照规格使用则不会分解。
- 有害有害: 未有已知的危险反应。
- 避免避免: 无相关详细资料。
- 不相容的物质: 无相关详细资料。
- 危险的分解产物: 有危险的分解产品。

11 毒理学信息

- 对毒性学影响的信息
- 急性毒性:

· 与分类相关的 LD/ LC50 值:		
1330-20-7 二甲苯异构体混合物		
口腔	LD50	4,300 mg/kg (rat)
皮肤	LD50	2,000 mg/kg (rabbit)
108-88-3 苯基甲烷		
口腔	LD50	5,000 mg/kg (rat)
皮肤	LD50	12,124 mg/kg (rabbit)
吸入	LC50/4 h	5,320 mg/l (mouse)
85-68-7 苯二甲酸苄丁酯		
口腔	LD50	2,330 mg/kg (rat)

- 重要的刺激影响:
- 皮肤: 刺激皮肤和粘膜。
- 在眼睛上面: 没有刺激的影响。
- 致敏: 有已知的敏化影响。
- 更多毒物的资料:
- 根据有关配制的一般欧盟分类指南的计算方法 (刊印在最新版本), 该产品显示以下的危险:
- 有害的
- 刺激性的

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- 对以别组别可能产生影响的数据:
- 作用机理: 可能导致基因突变、对生殖系统有害)
- 生殖毒性 第1B类

12 生态学信息

- 毒害毒性: 毒性
- 水生毒性: 无相关详细资料。
- 持久性和降解性: 持久性和降解性相关详细资料。
- 环境系统习性:
- 潜在的累积性: 无相关详细资料。
- 土壤土壤移动性: 无相关详细资料。
- 生态毒性的影响:
- 备注: 对鱼类有害
- 额外的生态学资料:
- 总括注解:
- 水危害级别 2 (德国规例) (通过名单进行自我评估): 对水是危害的
不要让该产品接触地下水、水道或污水系统。
即使是小量的产品渗入地下也会对饮用水造成危险。
对水中的有机物有危害。
- PBT(残留性、生物浓缩性、毒性物质) 及 vPvB(高残留性、高生物浓缩性物质)评价结果
- PBT(残留性、生物浓缩性、毒性物质) 不适用的
- vPvB(高残留性、高生物浓缩性物质): 不适用的
- 其他其他用途: 无相关详细资料。

13 废弃处置

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

14 运输信息

联合国危险货物编号(UN号)

- ADR, IMDG, IATA UN1170

· UN适当装船名

- ADR 1170 乙醇
- IMDG ETHANOL (ETHYL ALCOHOL)
- IATA ETHANOL

运输危险等级

- ADR, IMDG, IATA



- 级别 3 易燃液体

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化学品中文名称: 二甲苯
化学品英文名称: Xylene
化学品俗名或商品名: Shur Mount Xylene Based

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标签	3
· 包装组别	
· ADR, IMDG, IATA	II
· 危害环境:	不适用的
· 用户特别预防措施	警告: 易燃液体
· 危险编码:	33
· E号	F-E,S-D
· Stowage Category	A
· MARPOL73/78(针对船舶引起的海洋污染预防协议附件一)	不适用的
· 国际海运危险货物规则(国际海运危险货物规则)	不适用的
· 运输附加信息:	
· ADR	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· 标准规定	UN 1170 乙醇, 3, II

15 法规信息

- 对相应物质或者混合物的安全、保健及环境法规/法律
- 危险化学品安全管理条例

· 危险化学品目录

1330-20-7	二甲苯异构体混合物
108-88-3	苯基甲烷

· 新化学物质环境管理办法

· 国家环境优先物质名录

列出所有成分

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

图示图示



GHS02 GHS07 GHS08

名称名称

- 标签上辨别危险的成份:

二甲苯异构体混合物

苯基甲烷

苯二甲酸苯丁酯

(在 9 页继续)

化学品安全技术说明书

据根根据据根T 16483-2008, GB/T 17519-2013

打印日期 2019.07.01

在 2019.07.01 审核

化学品中文名称: 化学品俗名或商品名: Shur Mount Xylene Based

(在 8 页继续)

危险字句

高度易燃液体和蒸气
吸入可能有害
造成皮肤刺激
可能对生育能力或胎儿造成伤害
可引起昏睡或眩晕
长期或反复接触可能对器官造成伤害
吞咽并进入呼吸道可能致命
对水生生物有害并具有长期持续影响

警戒字句**事故响应**

如误吞咽:立即呼叫急救中心/医生
具体治疗(见本标签上的)
不得诱导呕吐
如皮肤(或头发)沾染:立即脱掉所有沾染的衣服。用水清洗皮肤/淋浴
脱掉沾染的衣服,清洗后方可重新使用

安全储存

存放处须加锁

废弃处置

处置内装物/容器按照地方/区域/国家/国际规章

化学物质安全性评价: 尚未进行化学物质安全性评价

16 其他信息

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

缩写:

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
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: 持久性生物累积性有毒物质
vPvB: very Persistent and very Bioaccumulative
易燃液体 第2类: Flammable liquids – Category 2
易燃液体 第3类: Flammable liquids – Category 3
急性毒性(经口) 第5类: Acute toxicity – Category 5
急性毒性(经皮肤) 第4类: Acute toxicity – Category 4
皮肤腐蚀/刺激 第2类: Skin corrosion/irritation – Category 2
严重眼睛损伤/眼睛刺激性 第2类: Serious eye damage/eye irritation – Category 2
敏化(皮肤) 第1类: Skin sensitisation – Category 1
敏化(皮肤) 第1B类: Skin sensitisation – Category 1B
生殖毒性 第1B类: Reproductive toxicity – Category 1B
生殖毒性 第2类: Reproductive toxicity – Category 2
特定靶器官系统毒性(单次接触) 第3类: Specific target organ toxicity (single exposure) – Category 3
特定靶器官系统毒性(重复接触) 第2类: Specific target organ toxicity (repeated exposure) – Category 2
吸入危险 第1类: Aspiration hazard – Category 1
对水环境的危害(急性) 第1类: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
对水环境的危害(急性) 第3类: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
对水环境的危害(慢性) 第1类: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
对水环境的危害(慢性) 第3类: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
对水环境的危害(慢性) 第4类: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

CN

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

1.1 Productidentificatie

· **Handelsnaam:** Shur Mount Xylene Based

· **Artikelnummer:** 17991-01, 17991-06

· **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**



GHS02 vlam

Flam. Liq. 2 H225 Licht ontvlambare vloeistof en damp.



GHS08 gezondheidsgevaar

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

STOT RE 2 H373 Kan schade aan organen veroorzaken bij langdurige of herhaalde blootstelling.

Asp. Tox. 1 H304 Kan dodelijk zijn als de stof bij inslikken in de luchtwegen terechtkomt.



GHS07

Skin Irrit. 2 H315 Veroorzaakt huidirritatie.

STOT SE 3 H336 Kan slaperigheid of duizeligheid veroorzaken.

Aquatic Chronic 3 H412 Schadelijk voor in het water levende organismen, met langdurige gevolgen.

(Vervolg op blz. 2)

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



GHS02 GHS07 GHS08

- **Signaalwoord** Gevaar
- **Gevaaraanduidende componenten voor de etikettering:**
tolueen
BBP
- **Gevenaanduidingen**
H225 Licht ontvlambare vloeistof en damp.
H315 Veroorzaakt huidirritatie.
H360Df Kan het ongeboren kind schaden. Wordt ervan verdacht de vruchtbaarheid te schaden.
H336 Kan slaperigheid of duizeligheid veroorzaken.
H373 Kan schade aan organen veroorzaken bij langdurige of herhaalde blootstelling.
H304 Kan dodelijk zijn als de stof bij inslikken in de luchtwegen terechtkomt.
H412 Schadelijk voor in het water levende organismen, met langdurige gevolgen.
- **Veiligheidsaanbevelingen**
P301+P310 NA INSLIKKEN: onmiddellijk een ANTIGIFCENTRUM/arts raadplegen.
P321 Specifieke behandeling vereist (zie op dit etiket).
P331 GEEN braken opwekken.
P303+P361+P353 BIJ CONTACT MET DE HUID (of het haar): verontreinigde kleding onmiddellijk uittrekken.
Huid met water afspoelen/afdouchen.
P362+P364 Verontreinigde kleding uittrekken en wassen alvorens deze opnieuw te gebruiken.
P405 Achter slot bewaren.
P501 De inhoud en de verpakking verwerken volgens de plaatselijke/regionale/nationale/internationale voorschriften.
- **Aanvullende gegevens:**
Bevat 2-(2-Hydroxy-5-methylphenyl)benzotriazole, mequinol. Kan een allergische reactie veroorzaken.
- **2.3 Andere gevaren**
- **Resultaten van PBT- en zPzB-beoordeling**
- **PBT:** Niet bruikbaar.
- **zPzB:** Niet bruikbaar.

RUBRIEK 3: Samenstelling en informatie over de bestanddelen

- **3.2 Chemische karakterisering: Mengsels**
- **Beschrijving:** Mengsel van na elkaar aangevoerde stoffen met onveerbarelijke bijmengingen.

· Gevaarlijke inhoudstoffen:

CAS: 1330-20-7 EINECS: 215-535-7	xyleen ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	>25-≤50%
CAS: 108-88-3 EINECS: 203-625-9	tolueen ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	>25-≤50%

(Vervolg op blz. 3)

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CAS: 2440-22-4 EINECS: 219-470-5	2-(2-Hydroxy-5-methylphenyl)benzotriazole` ⚠ Skin Sens. 1B, H317; Aquatic Chronic 4, H413	≤2,5%
CAS: 150-76-5 EINECS: 205-769-8	mequinol ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317	≤2,5%
CAS: 85-68-7 EINECS: 201-622-7	BBP ⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤2,5%

· SVHC

85-68-7 | BBP

· Aanvullende gegevens:

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

RUBRIEK 4: Eerstehulpmaatregelen

· 4.1 Beschrijving van de eerstehulpmaatregelen**· Algemene informatie:**

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

· Na het inademen:

Frisse lucht toedienen, eventueel beademing, warmte. Wanneer de klachten niet ophouden, een arts raadplegen.

Bij bewusteloosheid ligging en vervoer in stabiele zijligging.

· Na huidcontact: Onmiddellijk met water en zeep afwassen en goed naspoelen.**· Na oogcontact:** Ogen bij geopend ooglid meerdere minuten met stromend water spoelen**· Na inslikken:** 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.

RUBRIEK 5: Brandbestrijdingsmaatregelen

· 5.1 Blusmiddelen**· Geschikte blusmiddelen:** CO₂, zand, bluspoeder. Geen water gebruiken.**· Blusmiddelen die uit veiligheidsoogpunt niet geschikt zijn:** Krachtige waterstraal**· 5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt**

Geen verdere relevante informatie verkrijgbaar.

· 5.3 Advies voor brandweertieners**· Speciale beschermende kleding:** Ademhalingstoestel aantrekken.

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

· 6.1 Persoonlijke voorzorgsmaatregelen, beschermde uitrusting en noodprocedures

Beschermende kleding aantrekken. Niet beschermde personen op afstand houden.

· 6.2 Milieuvorzorgsmaatregelen:

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

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

· 6.3 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.

Niet met water of waterachtige reinigingsmiddelen wegspoelen.

(Vervolg op blz. 4)

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· 6.4 Verwijzing naar andere rubrieken

Informatie inzake veilig gebruik - zie hoofdstuk 7.

Informatie inzake persoonlijke beschermingsuitrusting - zie hoofdstuk 8.

Informatie inzake berging - zie hoofdstuk 13.

RUBRIEK 7: Hantering en opslag

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

Voor goede ventilatie/afzuiging op de werkplaatsen zorgen.

Tanks voorzichtig openen en behandelen.

Aërosolvorming vermijden.

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

Onststekingsbronnen op afstand houden - niet roken.

Beschermen tegen hitte.

Maatregelen treffen tegen ontlading van statische elektriciteit.

Ademhalingsstoestellen gereedhouden.

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

· Opslag:

· **Eisen ten opzichte van opslagruimte en tanks:** Op een koele plaats bewaren.

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

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

Tanks ondoordringbaar gesloten houden.

Koel en droog bewaren in goed gesloten vaten.

Tegen hitte en directe zonnestralen beschermen.

· 7.3 Specifiek eindgebruik Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming

· **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:**

1330-20-7 xyleen

WGW Korte termijn waarde: 442 mg/m³, 100 ppm

Lange termijn waarde: 210 mg/m³, 47 ppm

technisch mengsel

108-88-3 toluen

WGW Korte termijn waarde: 384 mg/m³, 100 ppm

Lange termijn waarde: 150 mg/m³, 39 ppm

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

· 8.2 Maatregelen ter beheersing van blootstelling

· Persoonlijke beschermingsvoorzieningen:

· Algemene beschermings- en gezondheidsmaatregelen:

Verwijderd houden van eet- en drinkwaren.

Verontreinigde kleding onmiddellijk uittrekken.

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

Beschermende kleding afzonderlijk bewaren.

Aanraking met de huid vermijden.

Aanraking met de ogen en de huid vermijden.

(Vervolg op blz. 5)

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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:**



Veiligheidshandschoenen

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

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

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

- **Handschoenmateriaal**

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

- **Doordringingstijd van het handschoenmateriaal**

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

- **Oogbescherming:**



Nauw aansluitende veiligheidsbril

RUBRIEK 9: Fysische en chemische eigenschappen

- **9.1 Informatie over fysische en chemische basiseigenschappen**

- **Algemene gegevens**

- **Voorkomen:**

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

- **pH-waarde:** Niet bepaald.

- **Toestandsverandering**

Smelt-/vriespunt:	Niet bepaald.
Beginkookpunt en kooktraject:	Niet bepaald.

- **Vlampunt:** 4 °C

- **Ontvlambaarheid (vast, gas):** Niet bruikbaar.

- **Ontstekingstemperatuur:** 500 °C

- **Ontledingstemperatuur:** Niet bepaald.

- **Zelfontbrandingstemperatuur:** Het produkt ontbrandt niet uit zichzelf.

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

- **Ontploffingsgrenzen:**

Onderste:	1,1 Vol %
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(Vervolg op blz. 6)

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Bovenste:	7 Vol %
· Dampspanning bij 20 °C:	29 hPa
· Dichtheid:	Niet bepaald.
· Relatieve dichtheid	Niet bepaald.
· Dampdichtheid	Niet bepaald.
· Verdampingssnelheid	Niet bepaald.
· Oplosbaarheid in/mengbaarheid met Water:	Niet resp. gering mengbaar.
· Verdelingscoëfficiënt: n-octanol/water:	Niet bepaald.
· Viscositeit	
Dynamisch:	Niet bepaald.
Kinematisch:	Niet bepaald.
· Oplosmiddelgehalte:	
Organisch oplosmiddel:	66,0 %
Water:	30,4 %
VOC (EG)	66,00 %
· Gehalte aan vaste bestanddelen:	0,9 %
· 9.2 Overige informatie	Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 10: Stabiliteit en reactiviteit

- **10.1 Reactiviteit** Geen verdere relevante informatie verkrijgbaar.
- **10.2 Chemische stabiliteit**
- **Thermische afbraak / te vermijden omstandigheden:** Geen afbraak bij gebruik volgens voorschrift.
- **10.3 Mogelijke gevaarlijke reacties** 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** Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.

· Indelingsrelevantie LD/LC50-waarden:		
1330-20-7 xyleen		
Oraal	LD50	4.300 mg/kg (rat)
Dermaal	LD50	2.000 mg/kg (rabbit)
108-88-3 toluen		
Oraal	LD50	5.000 mg/kg (rat)
Dermaal	LD50	12.124 mg/kg (rabbit)
Inhalatief	LC50/4 h	5.320 mg/l (mouse)
85-68-7 BBP		
Oraal	LD50	2.330 mg/kg (rat)

(Vervolg op blz. 7)

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- **Primaire aandoening:**
- **Huidcorrosie/-irritatie**
Veroorzaakt huidirritatie.
- **Ernstig oogletsel/oogirritatie** Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Sensibilisatie van de luchtwegen/de huid**
Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **CMR-effecten (kankerverwekkendheid, mutageniteit en giftigheid voor de voortplanting)**
- **Mutageniteit in geslachtscellen** Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Kankerverwekkendheid** Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- **Giftigheid voor de voortplanting**
Kan het ongeboren kind schaden. Wordt ervan verdacht de vruchtbaarheid te schaden.
- **STOT bij eenmalige blootstelling**
Kan slaperigheid of duizeligheid veroorzaken.
- **STOT bij herhaalde blootstelling**
Kan schade aan organen veroorzaken bij langdurige of herhaalde blootstelling.
- **Gevaar bij inademing**
Kan dodelijk zijn als de stof bij inslikken in de luchtwegen terecht komt.

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

RUBRIEK 13: Instructies voor verwijdering

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

NL

(Vervolg op blz. 8)

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RUBRIEK 14: Informatie met betrekking tot het vervoer

· 14.1 VN-nummer	UN1170
· ADR, IMDG, IATA	
· 14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN	
· ADR	1170 ETHANOL (ETHYLALCOHOL)
· IMDG	ETHANOL (ETHYL ALCOHOL)
· IATA	ETHANOL
· 14.3 Transportgevarenklasse(n)	
· ADR, IMDG, IATA	
	
· klasse	3 Brandbare vloeistoffen
· Etiket	3
· 14.4 Verpakkingsgroep:	
· ADR, IMDG, IATA	II
· 14.5 Milieugevaren:	Niet bruikbaar.
· 14.6 Bijzondere voorzorgen voor de gebruiker	Waarschuwing: Brandbare vloeistoffen
· Kemler-getal:	33
· EMS-nummer:	F-E,S-D
· Stowage Category	A
· 14.7 Vervoer in bulk overeenkomstig bijlage II bij Marpol en de IBC-code	Niet bruikbaar.
· Transport/verdere gegevens:	
· ADR	
· Beperkte hoeveelheden (LQ)	1L
· Uitgezonderde hoeveelheden (EQ)	Code: E2 Grootste netto hoeveelheid per binnenverpakking: 30 ml Grootste netto hoeveelheid per buitenverpakking: 500 ml
· Vervoerscategorie	2
· Tunnelbeperkingscode	D/E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· VN "Model Regulation":	UN 1170 ETHANOL (ETHYLALCOHOL), 3, II

RUBRIEK 15: Regelgeving

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

· SZW-lijst van kankerverwekkende stoffen

geen der bestanddelen staat op de lijst.

(Vervolg op blz. 9)

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· SZW-lijst van mutagene stoffen	
geen der bestanddelen staat op de lijst.	
· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid	
85-68-7	BBP 2
· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling	
1330-20-7	xyleen 2
108-88-3	tolueen 2
85-68-7	BBP 1B
· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding	
geen der bestanddelen staat op de lijst.	
· Lijst Zeer Zorgwekkende Stoffen (ZZS)	
85-68-7	BBP
· Lijst van Potentieel Zeer Zorgwekkende Stoffen	
2440-22-4	2-(2-Hydroxy-5-methylphenyl)benzotriazole`
· Richtlijn 2012/18/EU	
· Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I geen der bestanddelen staat op de lijst.	
· Seveso-categorie P5c ONTVLAMBARE VLOEISTOFFEN	
· Drempelwaarde (ton) voor toepassing van voorschriften voor lagedrempelinrichtingen 5.000 t	
· Drempelwaarde (ton) voor toepassing van voorschriften voor hogedrempelinrichtingen 50.000 t	
· LIJST VAN AUTORISATIEPLICHTIGE STOFFEN (BIJLAGE XIV)	
85-68-7	BBP Sunset date: 2015-02-21
· Verordening (EG) nr. 1907/2006 BIJLAGE XVII Beperkingsvoorwaarden: 3, 30, 48, 51c	
· Verordening (EU) Nr. 649/2012	
85-68-7	BBP Annex I Part 1 Annex I Part 2
· Nationale voorschriften:	
· Gevaarklasse v. water:	
Waterbezwaarlijkheid (NL): Z(1) niet afbreekbare stoffen met gevaarlijke eigenschappen voor mens en milieu (carcinogeniteit/mutageniteit/ reprotoxiciteit/bioacumulerend vermogen/ toxiciteit of persistentie)	
· Aanvullende voorschriften, beperkingen en verbodsverordeningen	
· Zeer zorgwekkende stoffen (SVHC) volgens REACH, artikel 57	
85-68-7	BBP
· 15.2 Chemischeveiligheidsbeoordeling: Een chemische veiligheidsbeoordeling is niet uitgevoerd.	

RUBRIEK 16: Overige informatie

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

· Relevante zinnen

- H225 Licht ontvlambare vloeistof en damp.
- H226 Ontvlambare vloeistof en damp.
- H302 Schadelijk bij inslikken.
- H304 Kan dodelijk zijn als de stof bij inslikken in de luchtwegen terechtkomt.
- H312 Schadelijk bij contact met de huid.
- H315 Veroorzaakt huidirritatie.

(Vervolg op blz. 10)

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- H317 Kan een allergische huidreactie veroorzaken.
 H319 Veroorzaakt ernstige oogirritatie.
 H332 Schadelijk bij inademing.
 H336 Kan slaperigheid of duizeligheid veroorzaken.
 H360Df Kan het ongeboren kind schaden. Wordt ervan verdacht de vruchtbaarheid te schaden.
 H361d Wordt ervan verdacht het ongeboren kind te schaden.
 H373 Kan schade aan organen veroorzaken bij langdurige of herhaalde blootstelling.
 H400 Zeer giftig voor in het water levende organismen.
 H410 Zeer giftig voor in het water levende organismen, met langdurige gevolgen.
 H413 Kan langdurige schadelijke gevolgen voor in het water levende organismen hebben.

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
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 2: Ontvlambare vloeistoffen – Categorie 2
 Flam. Liq. 3: Ontvlambare vloeistoffen – Categorie 3
 Acute Tox. 4: Acute toxiciteit – Categorie 4
 Skin Irrit. 2: Huidcorrosie/-irritatie – Categorie 2
 Eye Irrit. 2: Ernstig oogletsel/oogirritatie – Categorie 2
 Skin Sens. 1: Sensibilisatie van de huid – Categorie 1
 Skin Sens. 1B: Sensibilisatie van de huid – Categorie 1B
 Repr. 1B: Voortplantingstoxiciteit – Categorie 1B
 Repr. 2: Voortplantingstoxiciteit – Categorie 2
 STOT SE 3: Specifieke doelorgaantoxiciteit bij eenmalige blootstelling – Categorie 3
 STOT RE 2: Specifieke doelorgaantoxiciteit bij herhaalde blootstelling – Categorie 2
 Asp. Tox. 1: Aspiratiegevaar – Categorie 1
 Aquatic Acute 1: Gevaar voor het aquatisch milieu - acuut aquatisch gevaar – Categorie 1
 Aquatic Chronic 1: Gevaar voor het aquatisch milieu - aquatisch gevaar op lange termijn – Categorie 1
 Aquatic Chronic 3: Gevaar voor het aquatisch milieu - aquatisch gevaar op lange termijn – Categorie 3
 Aquatic Chronic 4: Gevaar voor het aquatisch milieu - aquatisch gevaar op lange termijn – Categorie 4

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

- **1.1 Identificateur de produit**
- **Nom du produit:** Shur Mount Xylene Based
- **Code du produit:** 17991-01, 17991-06
- **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

RUBRIQUE 2: Identification des dangers

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



GHS02 flamme

Flam. Liq. 2 H225 Liquide et vapeurs très inflammables.



GHS08 danger pour la santé

Repr. 1B H360Df Peut nuire au fœtus. Susceptible de nuire à la fertilité.
 STOT RE 2 H373 Risque présumé d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée.
 Asp. Tox. 1 H304 Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires.



GHS07

Skin Irrit. 2 H315 Provoque une irritation cutanée.
 STOT SE 3 H336 Peut provoquer somnolence ou vertiges.
 Aquatic Chronic 3 H412 Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.

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

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· **Pictogrammes de danger**

GHS02 GHS07 GHS08

· **Mention d'avertissement** Danger· **Composants dangereux déterminants pour l'étiquetage:**toluène
BBP· **Mentions de danger**

H225 Liquide et vapeurs très inflammables.

H315 Provoque une irritation cutanée.

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

H336 Peut provoquer somnolence ou vertiges.

H373 Risque présumé d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée.

H304 Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires.

H412 Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.

· **Conseils de prudence**

P301+P310 EN CAS D'INGESTION: Appeler immédiatement un CENTRE ANTIPOISON/un médecin.

P321 Traitement spécifique (voir sur cette étiquette).

P331 NE PAS faire vomir.

P303+P361+P353 EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau/Se doucher.

P362+P364 Enlever les vêtements contaminés et les laver avant réutilisation.

P405 Garder sous clef.

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

· **Indications complémentaires:**

Contient 2-(2-Hydroxy-5-méthylphenyl)benzotriazole, mequinol. Peut produire une réaction allergique.

· **2.3 Autres dangers**· **Résultats des évaluations PBT et vPvB**· **PBT:** Non applicable.· **vPvB:** Non applicable.

RUBRIQUE 3: Composition/informations sur les composants

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

CAS: 1330-20-7 EINECS: 215-535-7	xylène Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	>25-≤50%
CAS: 108-88-3 EINECS: 203-625-9	toluène Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	>25-≤50%
CAS: 2440-22-4 EINECS: 219-470-5	2-(2-Hydroxy-5-méthylphenyl)benzotriazole Skin Sens. 1B, H317; Aquatic Chronic 4, H413	≤2,5%

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CAS: 150-76-5	mequinol	(suite de la page 2) ≤2,5%
EINECS: 205-769-8	⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 85-68-7	BBP	≤2,5%
EINECS: 201-622-7	⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

· **SVHC**

85-68-7 | BBP

· **Indications complémentaires:** Pour le libellé des phrases de risque citées, se référer au chapitre 16.

RUBRIQUE 4: Premiers secours

· **4.1 Description des premiers secours**

· **Remarques générales:**

Les symptômes d'intoxication peuvent apparaître après de nombreuses heures seulement; une surveillance médicale est donc nécessaire au moins 48 heures après un accident.

· **Après inhalation:**

Donner de l'air frais. Assistance respiratoire si nécessaire. Tenir le malade au chaud. Si les troubles persistent, consulter un médecin.

En cas d'inconscience, coucher et transporter la personne en position latérale stable.

· **Après contact avec la peau:** Laver immédiatement à l'eau et au savon et bien rincer.

· **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.

RUBRIQUE 5: Mesures de lutte contre l'incendie

· **5.1 Moyens d'extinction**

· **Moyens d'extinction:** CO₂, sable, poudre d'extinction. Ne pas utiliser d'eau.

· **Produits extincteurs déconseillés pour des raisons de sécurité:** Jet d'eau à grand débit

· **5.2 Dangers particuliers résultant de la substance ou du mélange**

Pas d'autres informations importantes disponibles.

· **5.3 Conseils aux pompiers**

· **Équipement spécial de sécurité:** Porter un appareil de protection respiratoire.

RUBRIQUE 6: Mesures à prendre en cas de dispersion accidentelle

· **6.1 Précautions individuelles, équipement de protection et procédures d'urgence**

Porter un équipement de sécurité. Eloigner les personnes non protégées.

· **6.2 Précautions pour la protection de l'environnement:**

En cas de pénétration dans les eaux ou les égouts, avertir les autorités compétentes.

Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.

· **6.3 Méthodes et matériel de confinement et de nettoyage:**

Recueillir les liquides à l'aide d'un produit absorbant (sable, kieselguhr, neutralisant d'acide, liant universel, sciure).

Evacuer les matériaux contaminés en tant que déchets conformément au point 13.

Assurer une aération suffisante.

Ne pas rincer à l'eau ou aux produits nettoyants aqueux.

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· **6.4 Référence à d'autres rubriques**

Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.

Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.

Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

RUBRIQUE 7: Manipulation et stockage

· **7.1 Précautions à prendre pour une manipulation sans danger**

Veiller à une bonne ventilation/aspiration du poste de travail.

Ouvrir et manipuler les récipients avec précaution.

Eviter la formation d'aérosols.

· **Préventions des incendies et des explosions:**

Tenir à l'abri des sources d'inflammation - ne pas fumer.

Tenir à l'abri de la chaleur.

Prendre des mesures contre les charges électrostatiques.

Tenir des appareils de protection respiratoire prêts.

· **7.2 Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**

· **Stockage:**

· **Exigences concernant les lieux et conteneurs de stockage:** Stocker dans un endroit frais.

· **Indications concernant le stockage commun:** Pas nécessaire.

· **Autres indications sur les conditions de stockage:**

Tenir les emballages hermétiquement fermés.

Stocker au frais et au sec dans des fûts bien fermés.

Protéger de la forte chaleur et du rayonnement direct du soleil.

· **7.3 Utilisation(s) finale(s) particulière(s)** Pas d'autres informations importantes disponibles.

RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

· **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:**

1330-20-7 xylène

VME	Valeur momentanée: 442 mg/m ³ , 100 ppm Valeur à long terme: 221 mg/m ³ , 50 ppm risque de pénétration percutanée
-----	---

108-88-3 toluène

VME	Valeur momentanée: 384 mg/m ³ , 100 ppm Valeur à long terme: 76,8 mg/m ³ , 20 ppm R2, risque de pénétration percutanée
-----	--

150-76-5 mequinol

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

· **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.

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Se laver les mains avant les pauses et en fin de travail.

Conserver à part les vêtements de protection.

Eviter tout contact avec la peau.

Eviter tout contact avec les yeux et avec la peau.

· **Protection respiratoire:**

En cas d'exposition faible ou de courte durée, utiliser un filtre respiratoire; en cas d'exposition intense ou durable, utiliser un appareil de respiration indépendant de l'air ambiant.

· **Protection des mains:**



Gants de protection

Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.

À cause du manque de tests, aucune recommandation pour un matériau de gants pour le produit / la préparation / le mélange de produits chimiques ne peut être donnée.

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

· **Matériau des gants**

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

· **Temps de pénétration du matériau des gants**

Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter.

· **Protection des yeux:**



Lunettes de protection hermétiques

RUBRIQUE 9: Propriétés physiques et chimiques

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

· **Indications générales**

· **Aspect:**

Forme: Liquide

Couleur: Transparent

· **Odeur:** Caractéristique

· **Seuil olfactif:** Non déterminé.

· **valeur du pH:** Non déterminé.

· **Changement d'état**

Point de fusion/point de congélation: Non déterminé.

Point initial d'ébullition et intervalle d'ébullition: Non déterminé.

· **Point d'éclair** 4 °C

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

· **Température d'inflammation:** 500 °C

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

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· Température d'auto-inflammabilité:	<i>Le produit ne s'enflamme pas spontanément.</i>
· Propriétés explosives:	<i>Le produit n'est pas explosif; toutefois, des mélanges explosifs vapeur-air peuvent se former.</i>
· Limites d'explosion: Inférieure: Supérieure:	<i>1,1 Vol % 7 Vol %</i>
· Pression de vapeur à 20 °C:	<i>29 hPa</i>
· Densité: · Densité relative · Densité de vapeur: · Taux d'évaporation:	<i>Non déterminée. Non déterminé. Non déterminé. Non déterminé.</i>
· Solubilité dans/miscibilité avec l'eau:	<i>Pas ou peu miscible</i>
· Coefficient de partage: n-octanol/eau:	<i>Non déterminé.</i>
· Viscosité: Dynamique: Cinématique:	<i>Non déterminé. Non déterminé.</i>
· Teneur en solvants: Solvants organiques: Eau: VOC (CE)	<i>66,0 % 30,4 % 66,00 %</i>
Teneur en substances solides:	<i>0,9 %</i>
· 9.2 Autres informations	<i>Pas d'autres informations importantes disponibles.</i>

RUBRIQUE 10: Stabilité et réactivité

- **10.1 Réactivité** *Pas d'autres informations importantes disponibles.*
- **10.2 Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** *Pas de décomposition en cas d'usage conforme.*
- **10.3 Possibilité de réactions dangereuses** *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*

RUBRIQUE 11: Informations toxicologiques

- **11.1 Informations sur les effets toxicologiques**
- **Toxicité aiguë** *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*

· Valeurs LD/LC50 déterminantes pour la classification:		
1330-20-7 xylène		
<i>Oral</i>	<i>LD50</i>	<i>4.300 mg/kg (rat)</i>
<i>Dermique</i>	<i>LD50</i>	<i>2.000 mg/kg (lapin)</i>
108-88-3 toluène		
<i>Oral</i>	<i>LD50</i>	<i>5.000 mg/kg (rat)</i>

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Dermique	LD50	12.124 mg/kg (lapin)
Inhalatoire	LC50/4 h	5.320 mg/l (souris)
85-68-7 BBP		
Oral	LD50	2.330 mg/kg (rat)

- **Effet primaire d'irritation:**
- **Corrosion cutanée/irritation cutanée**
Provoque une irritation cutanée.
- **Lésions oculaires graves/irritation oculaire**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Sensibilisation respiratoire ou cutanée**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Effets CMR (cancérogène, mutagène et toxique pour la reproduction)**
- **Mutagénicité sur les cellules germinales**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Cancérogénicité** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité pour la reproduction**
Peut nuire au fœtus. Susceptible de nuire à la fertilité.
- **Toxicité spécifique pour certains organes cibles - exposition unique**
Peut provoquer somnolence ou vertiges.
- **Toxicité spécifique pour certains organes cibles - exposition répétée**
Risque présumé d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée.
- **Danger par aspiration**
Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires.

RUBRIQUE 12: Informations écologiques

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

RUBRIQUE 13: Considérations relatives à l'élimination

- **13.1 Méthodes de traitement des déchets**
- **Recommandation:** Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.

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- **Emballages non nettoyés:**
- **Recommandation:** Evacuation conformément aux prescriptions légales.

RUBRIQUE 14: Informations relatives au transport

- **14.1 Numéro ONU**
- **ADR, IMDG, IATA**

UN1170

- **14.2 Désignation officielle de transport de l'ONU**

- **ADR**
- **IMDG**
- **IATA**

1170 ÉTHANOL (ALCOOL ÉTHYLIQUE)
ETHANOL (ETHYL ALCOHOL)
ETHANOL

- **14.3 Classe(s) de danger pour le transport**

- **ADR, IMDG, IATA**



- **Classe**
- **Étiquette**

3 Liquides inflammables.
3

- **14.4 Groupe d'emballage**

- **ADR, IMDG, IATA**

II

- **14.5 Dangers pour l'environnement:**

Non applicable.

- **14.6 Précautions particulières à prendre par l'utilisateur**

Attention: Liquides inflammables.

- **Indice Kemler:**
- **No EMS:**
- **Stowage Category**

33
F-E,S-D
A

- **14.7 Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC**

Non applicable.

- **Indications complémentaires de transport:**

- **ADR**

- **Quantités limitées (LQ)**
- **Quantités exceptées (EQ)**

1L
Code: E2
Quantité maximale nette par emballage intérieur: 30 ml
Quantité maximale nette par emballage extérieur: 500 ml

- **Catégorie de transport**
- **Code de restriction en tunnels**

2
D/E

- **IMDG**

- **Limited quantities (LQ)**
- **Excepted quantities (EQ)**

1L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

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· "Règlement type" de l'ONU:	UN 1170 ÉTHANOL (ALCOOL ÉTHYLIQUE), 3, II
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RUBRIQUE 15: Informations relatives à la réglementation

· **15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**

· Directive 2012/18/UE

· Substances dangereuses désignées - ANNEXE I Aucun des composants n'est compris.

· Catégorie SEVESO P5c LIQUIDES INFLAMMABLES

· Quantité seuil (tonnes) pour l'application des exigences relatives au seuil bas 5.000 t

· Quantité seuil (tonnes) pour l'application des exigences relatives au seuil haut 50.000 t

· LISTE DES SUBSTANCES SOUMISES À AUTORISATION (ANNEXE XIV)

85-68-7	BBP	Sunset date: 2015-02-21
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· RÈGLEMENT (CE) N° 1907/2006 ANNEXE XVII Conditions de limitation: 3, 30, 48, 51c

· Règlement (CE) N° 649/2012

85-68-7	BBP	Annex I Part 1 Annex I Part 2
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· Prescriptions nationales:

· Autres prescriptions, restrictions et règlements d'interdiction

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

85-68-7	BBP
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· **15.2 Évaluation de la sécurité chimique:** Une évaluation de la sécurité chimique n'a pas été réalisée.

RUBRIQUE 16: Autres informations

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

· Phrases importantes

H225 Liquide et vapeurs très inflammables.

H226 Liquide et vapeurs inflammables.

H302 Nocif en cas d'ingestion.

H304 Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires.

H312 Nocif par contact cutané.

H315 Provoque une irritation cutanée.

H317 Peut provoquer une allergie cutanée.

H319 Provoque une sévère irritation des yeux.

H332 Nocif par inhalation.

H336 Peut provoquer somnolence ou vertiges.

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

H361d Susceptible de nuire au fœtus.

H373 Risque présumé d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée.

H400 Très toxique pour les organismes aquatiques.

H410 Très toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme.

H413 Peut être nocif à long terme pour les organismes aquatiques.

· Acronymes et abréviations:

ADR: Accord européen sur le transport des marchandises dangereuses par Route

IMDG: International Maritime Code for Dangerous Goods

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*IATA: International Air Transport Association**GHS: Globally Harmonised System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**VOC: Volatile Organic Compounds (USA, EU)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 2: Liquides inflammables – Catégorie 2**Flam. Liq. 3: Liquides inflammables – Catégorie 3**Acute Tox. 4: Toxicité aiguë – Catégorie 4**Skin Irrit. 2: Corrosion cutanée/irritation cutanée – Catégorie 2**Eye Irrit. 2: Lésions oculaires graves/irritation oculaire – Catégorie 2**Skin Sens. 1: Sensibilisation cutanée – Catégorie 1**Skin Sens. 1B: Sensibilisation cutanée – Catégorie 1B**Repr. 1B: Toxicité pour la reproduction – Catégorie 1B**Repr. 2: Toxicité pour la reproduction – Catégorie 2**STOT SE 3: Toxicité spécifique pour certains organes cibles (exposition unique) – Catégorie 3**STOT RE 2: Toxicité spécifique pour certains organes cibles (exposition répétée) – Catégorie 2**Asp. Tox. 1: Danger par aspiration – Catégorie 1**Aquatic Acute 1: Dangers pour le milieu aquatique- toxicité aiguë pour le milieu aquatique – Catégorie 1**Aquatic Chronic 1: Dangers pour le milieu aquatique- toxicité à long terme pour le milieu aquatique – Catégorie 1**Aquatic Chronic 3: Dangers pour le milieu aquatique- toxicité à long terme pour le milieu aquatique – Catégorie 3**Aquatic Chronic 4: Dangers pour le milieu aquatique- toxicité à long terme pour le milieu aquatique – Catégorie 4*

FR

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

- **1.1 Produktidentifikator**
- **Handelsname:** Shur Mount Xylene Based
- **Artikelnummer:** 17991-01, 17991-06
- **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

Deutschland: +49 (0)89 19240, 24h Giftnotruf Munchen, www.toxinfo.org
Osterreich: +43 1406 43 43, Gesundheit Osterreich GmbH, 24 h
- **Auskunftgebender Bereich:** Product safety department
- **1.4 Notrufnummer:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

ABSCHNITT 2: Mögliche Gefahren

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



GHS02 Flamme

Flam. Liq. 2 H225 Flüssigkeit und Dampf leicht entzündbar.



GHS08 Gesundheitsgefahr

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

STOT RE 2 H373 Kann die Organe schädigen bei längerer oder wiederholter Exposition.

Asp. Tox. 1 H304 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.



GHS07

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Skin Irrit. 2 H315 Verursacht Hautreizungen.
 STOT SE 3 H336 Kann Schläfrigkeit und Benommenheit verursachen.
 Aquatic Chronic 3 H412 Schädlich für Wasserorganismen, mit langfristiger Wirkung.

2.2 Kennzeichnungselemente**Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008**

Das Produkt ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.

Gefahrenpiktogramme

GHS02 GHS07 GHS08

Signalwort Gefahr**Gefahrbestimmende Komponenten zur Etikettierung:**

Toluol

BBP

Gefahrenhinweise

H225 Flüssigkeit und Dampf leicht entzündbar.

H315 Verursacht Hautreizungen.

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

H336 Kann Schläfrigkeit und Benommenheit verursachen.

H373 Kann die Organe schädigen bei längerer oder wiederholter Exposition.

H304 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.

H412 Schädlich für Wasserorganismen, mit langfristiger Wirkung.

Sicherheitshinweise

P301+P310 BEI VERSCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM/Arzt anrufen.

P321 Besondere Behandlung (siehe auf diesem Kennzeichnungsetikett).

P331 KEIN Erbrechen herbeiführen.

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

P362+P364 Kontaminierte Kleidung ausziehen und vor erneutem Tragen waschen.

P405 Unter Verschluss aufbewahren.

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

Zusätzliche Angaben:

Enthält 2-(2-Hydroxy-5-methylphenyl)benzotriazole, Mequinol. Kann allergische Reaktionen hervorrufen.

Nur für gewerbliche Anwender.

2.3 Sonstige Gefahren**Ergebnisse der PBT- und vPvB-Beurteilung**

PBT: Nicht anwendbar.

vPvB: Nicht anwendbar.

ABSCHNITT 3: Zusammensetzung/Angaben zu Bestandteilen

3.2 Chemische Charakterisierung: Gemische**Beschreibung:** Gemisch aus nachfolgend angeführten Stoffen mit ungefährlichen Beimengungen.**Gefährliche Inhaltsstoffe:**

CAS: 1330-20-7	Xylol	>25-≤50%
EINECS: 215-535-7		

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CAS: 108-88-3 EINECS: 203-625-9	Toluol Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	>25-≤50%
CAS: 2440-22-4 EINECS: 219-470-5	2-(2-Hydroxy-5-methylphenyl)benzotriazole` Skin Sens. 1B, H317; Aquatic Chronic 4, H413	≤2,5%
CAS: 150-76-5 EINECS: 205-769-8	Mequinol Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317	≤2,5%
CAS: 85-68-7 EINECS: 201-622-7	BBP Repr. 1B, H360Df; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤2,5%

· **SVHC**

85-68-7 | BBP

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

ABSCHNITT 4: Erste-Hilfe-Maßnahmen

· **4.1 Beschreibung der Erste-Hilfe-Maßnahmen**· **Allgemeine Hinweise:**

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

· **Nach Einatmen:**

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

· **Nach Hautkontakt:** Sofort mit Wasser und Seife abwaschen und gut nachspülen.· **Nach Augenkontakt:** Augen bei geöffnetem Lidspalt mehrere Minuten mit fließendem Wasser spülen.· **Nach Verschlucken:** Bei anhaltenden Beschwerden Arzt konsultieren.· **4.2 Wichtigste akute und verzögert auftretende Symptome und Wirkungen**

Keine weiteren relevanten Informationen verfügbar.

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

Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 5: Maßnahmen zur Brandbekämpfung

· **5.1 Löschmittel**· **Geeignete Löschmittel:** CO₂, Sand, Löschpulver. Kein Wasser verwenden.· **Aus Sicherheitsgründen ungeeignete Löschmittel:** Wasser im Vollstrahl· **5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren**

Keine weiteren relevanten Informationen verfügbar.

· **5.3 Hinweise für die Brandbekämpfung**· **Besondere Schutzausrüstung:** Atemschutzgerät anlegen.

ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

· **6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren**
Schutzausrüstung tragen. Ungeschützte Personen fernhalten.· **6.2 Umweltschutzmaßnahmen:**

Bei Eindringen in Gewässer oder Kanalisation zuständige Behörden benachrichtigen.
Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.

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

Mit flüssigkeitsbindendem Material (Sand, Kieselgur, Säurebinder, Universalbinder, Sägemehl) aufnehmen.
Kontaminiertes Material als Abfall nach Abschnitt 13 entsorgen.

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- Für ausreichende Lüftung sorgen.
Nicht mit Wasser oder wäßrigen Reinigungsmitteln wegspülen.
- **6.4 Verweis auf andere Abschnitte**
 - Informationen zur sicheren Handhabung siehe Abschnitt 7.
 - Informationen zur persönlichen Schutzausrüstung siehe Abschnitt 8.
 - Informationen zur Entsorgung siehe Abschnitt 13.

ABSCHNITT 7: Handhabung und Lagerung

- **7.1 Schutzmaßnahmen zur sicheren Handhabung**
- Für gute Belüftung/Absaugung am Arbeitsplatz sorgen.
- Behälter mit Vorsicht öffnen und handhaben.
- Aerosolbildung vermeiden.
- **Hinweise zum Brand- und Explosionsschutz:**
- Zündquellen fernhalten - nicht rauchen.
- Vor Hitze schützen.
- Maßnahmen gegen elektrostatische Aufladung treffen.
- Atemschutzgeräte bereithalten.
- **7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten**
- **Lagerung:**
- **Anforderung an Lagerräume und Behälter:** An einem kühlen Ort lagern.
- **Zusammenlagerungshinweise:** Nicht erforderlich.
- **Weitere Angaben zu den Lagerbedingungen:**
- Behälter dicht geschlossen halten.
- In gut verschlossenen Gebinden kühl und trocken lagern.
- Vor Hitze und direkter Sonnenbestrahlung schützen.
- **Lagerklasse:**
- **Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV):** Entzündbare Flüssigkeiten
- **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.
- **8.1 Zu überwachende Parameter**

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

1330-20-7 Xylol	
AGW	Langzeitwert: 440 mg/m ³ , 100 ml/m ³ 2(II);DFG, EU, H
108-88-3 Toluol	
AGW	Langzeitwert: 190 mg/m ³ , 50 ml/m ³ 4(II);DFG, EU, H, Y
85-68-7 BBP	
AGW	Langzeitwert: 20 E mg/m ³ 2(II);DFG, Y

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· Bestandteile mit biologischen Grenzwerten:
1330-20-7 Xylol

BGW 1,5 mg/l
 Untersuchungsmaterial: Vollblut
 Probennahmezeitpunkt: Expositionsende bzw. Schichtende
 Parameter: Xylol

2000 mg/L
 Untersuchungsmaterial: Urin
 Probennahmezeitpunkt: Expositionsende bzw. Schichtende
 Parameter: Methylhippur-(Tolur-)Säure (alle Isomere)

108-88-3 Toluol

BGW 600 µg/l
 Untersuchungsmaterial: Vollblut
 Probennahmezeitpunkt: unmittelbar nach Exposition
 Parameter: Toluol

1,5 mg/l
 Untersuchungsmaterial: Urin
 Probennahmezeitpunkt: bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten, Expositionsende bzw. Schichtende
 Parameter: o-Kresol (nach Hydrolyse)

· **Zusätzliche Hinweise:** Als Grundlage dienen die bei der Erstellung gültigen Listen.

· **8.2 Begrenzung und Überwachung der Exposition**

· **Persönliche Schutzausrüstung:**

· **Allgemeine Schutz- und Hygienemaßnahmen:**

Von Nahrungsmitteln, Getränken und Futtermitteln fernhalten.

Beschmutzte, getränkte Kleidung sofort ausziehen.

Vor den Pausen und bei Arbeitsende Hände waschen.

Getrennte Aufbewahrung der Schutzkleidung.

Berührung mit der Haut vermeiden.

Berührung mit den Augen und der Haut vermeiden.

· **Atemschutz:**

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

· **Handschutz:**



Schutzhandschuhe

Das Handschuhmaterial muss undurchlässig und beständig gegen das Produkt / den Stoff / die Zubereitung sein.

Aufgrund fehlender Tests kann keine Empfehlung zum Handschuhmaterial für das Produkt / die Zubereitung / das Chemikaliengemisch abgegeben werden.

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

· **Handschuhmaterial**

Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und von Hersteller zu Hersteller unterschiedlich. Da das Produkt eine Zubereitung aus mehreren Stoffen darstellt, ist die Beständigkeit von Handschuhmaterialien nicht vorausberechenbar und muß deshalb vor dem Einsatz überprüft werden.

· **Durchdringungszeit des Handschuhmaterials**

Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.

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· **Augenschutz:**

Dichtschließende Schutzbrille

ABSCHNITT 9: Physikalische und chemische Eigenschaften

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

Form:	Flüssigkeit
--------------	-------------

Farbe:	Klar
---------------	------

· **Geruch:** Charakteristisch· **Geruchsschwelle:** Nicht bestimmt.· **pH-Wert:** Nicht bestimmt.· **Zustandsänderung**

Schmelzpunkt/Gefrierpunkt:	Nicht bestimmt.
-----------------------------------	-----------------

Siedebeginn und Siedebereich:	Nicht bestimmt.
--------------------------------------	-----------------

· **Flammpunkt:** 4 °C· **Entzündbarkeit (fest, gasförmig):** Nicht anwendbar.· **Zündtemperatur:** 500 °C· **Zersetzungstemperatur:** Nicht bestimmt.· **Selbstentzündungstemperatur:** Das Produkt ist nicht selbstentzündlich.· **Explosive Eigenschaften:** Das Produkt ist nicht explosionsgefährlich, jedoch ist die Bildung explosionsgefährlicher Dampf-/Luftgemische möglich.· **Explosionsgrenzen:**

Untere:	1,1 Vol %
----------------	-----------

Obere:	7 Vol %
---------------	---------

· **Dampfdruck bei 20 °C:** 29 hPa· **Dichte:** Nicht bestimmt.· **Relative Dichte:** Nicht bestimmt.· **Dampfdichte:** Nicht bestimmt.· **Verdampfungsgeschwindigkeit:** Nicht bestimmt.· **Löslichkeit in / Mischbarkeit mit**

Wasser:	Nicht bzw. wenig mischbar.
----------------	----------------------------

· **Verteilungskoeffizient: n-Octanol/Wasser:** Nicht bestimmt.· **Viskosität:**

Dynamisch:	Nicht bestimmt.
-------------------	-----------------

Kinematisch:	Nicht bestimmt.
---------------------	-----------------

· **Lösemittelgehalt:**

Organische Lösemittel:	66,0 %
-------------------------------	--------

Wasser:	30,4 %
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VOC (EU)	66,00 %
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(Fortsetzung auf Seite 7)

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gemäß 1907/2006/EG, Artikel 31

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- | | |
|-------------------------------|--|
| Festkörpergehalt: | 0,9 % |
| · 9.2 Sonstige Angaben | Keine weiteren relevanten Informationen verfügbar. |

ABSCHNITT 10: Stabilität und Reaktivität

- **10.1 Reaktivität** Keine weiteren relevanten Informationen verfügbar.
- **10.2 Chemische Stabilität**
- **Thermische Zersetzung / zu vermeidende Bedingungen:**
Keine Zersetzung bei bestimmungsgemäßer Verwendung.
- **10.3 Möglichkeit gefährlicher Reaktionen** 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** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

- **Einstufungsrelevante LD/LC50-Werte:**

1330-20-7 Xylol

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

108-88-3 Toluol

Oral	LD50	5.000 mg/kg (rat)
Dermal	LD50	12.124 mg/kg (rabbit)
Inhalativ	LC50/4 h	5.320 mg/l (mouse)

85-68-7 BBP

Oral	LD50	2.330 mg/kg (rat)
------	------	-------------------

- **Primäre Reizwirkung:**
- **Ätz-/Reizwirkung auf die Haut**
Verursacht Hautreizungen.
- **Schwere Augenschädigung/-reizung** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Sensibilisierung der Atemwege/Haut** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **CMR-Wirkungen (krebserzeugende, erbgutverändernde und fortpflanzungsgefährdende Wirkung)**
- **Keimzell-Mutagenität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Karzinogenität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Reproduktionstoxizität**
Kann das Kind im Mutterleib schädigen. Kann vermutlich die Fruchtbarkeit beeinträchtigen.
- **Spezifische Zielorgan-Toxizität bei einmaliger Exposition**
Kann Schläfrigkeit und Benommenheit verursachen.
- **Spezifische Zielorgan-Toxizität bei wiederholter Exposition**
Kann die Organe schädigen bei längerer oder wiederholter Exposition.
- **Aspirationsgefahr**
Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.

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ABSCHNITT 12: Umweltbezogene Angaben

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

ABSCHNITT 13: Hinweise zur Entsorgung

- **13.1 Verfahren der Abfallbehandlung**
- **Empfehlung:** Darf nicht zusammen mit Hausmüll entsorgt werden. Nicht in die Kanalisation gelangen lassen.
- **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 | UN1170 |
| <ul style="list-style-type: none"> · 14.2 Ordnungsgemäße UN-Versandbezeichnung · ADR · IMDG · IATA | 1170 ETHANOL (ETHYLALKOHOL)
ETHANOL (ETHYL ALCOHOL)
ETHANOL |
| <ul style="list-style-type: none"> · 14.3 Transportgefahrenklassen · ADR, IMDG, IATA | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> · Klasse · Gefahrzettel | 3 Entzündbare flüssige Stoffe
3 |
| <ul style="list-style-type: none"> · 14.4 Verpackungsgruppe · ADR, IMDG, IATA | II |
| <ul style="list-style-type: none"> · 14.5 Umweltgefahren: | Nicht anwendbar. |

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- | | |
|---|--|
| <ul style="list-style-type: none"> · 14.6 Besondere Vorsichtsmaßnahmen für den Verwender · Kemler-Zahl: · EMS-Nummer: · Stowage Category | <p style="text-align: right;">Achtung: Entzündbare flüssige Stoffe</p> <p style="text-align: right;">33</p> <p style="text-align: right;">F-E,S-D</p> <p style="text-align: right;">A</p> |
| <ul style="list-style-type: none"> · 14.7 Massengutbeförderung gemäß Anhang II des MARPOL-Übereinkommens und gemäß IBC-Code Nicht anwendbar. | |
| <ul style="list-style-type: none"> · Transport/weitere Angaben: | |
| <ul style="list-style-type: none"> · ADR · Begrenzte Menge (LQ) · Freigestellte Mengen (EQ) · Beförderungskategorie · Tunnelbeschränkungscode | <p style="text-align: right;">1L</p> <p style="text-align: right;">Code: E2</p> <p style="text-align: right;">Höchste Nettomenge je Innenverpackung: 30 ml</p> <p style="text-align: right;">Höchste Nettomenge je Außenverpackung: 500 ml</p> <p style="text-align: right;">2</p> <p style="text-align: right;">D/E</p> |
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | <p style="text-align: right;">1L</p> <p style="text-align: right;">Code: E2</p> <p style="text-align: right;">Maximum net quantity per inner packaging: 30 ml</p> <p style="text-align: right;">Maximum net quantity per outer packaging: 500 ml</p> |
| <ul style="list-style-type: none"> · UN "Model Regulation": | <p style="text-align: right;">UN 1170 ETHANOL (ETHYLALKOHOL), 3, II</p> |

ABSCHNITT 15: Rechtsvorschriften

- **15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch**
- **Richtlinie 2012/18/EU**
- **Namentlich aufgeführte gefährliche Stoffe - ANHANG I Keiner der Inhaltsstoffe ist enthalten.**
- **Seveso-Kategorie P5c ENTZÜNDBARE FLÜSSIGKEITEN**
- **Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der unteren Klasse 5.000 t**
- **Mengenschwelle (in Tonnen) für die Anwendung in Betrieben der oberen Klasse 50.000 t**

· VERZEICHNIS DER ZULASSUNGSPFLICHTIGEN STOFFE (ANHANG XIV)

85-68-7	BBP	Sunset date: 2015-02-21
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- **VERORDNUNG (EG) Nr. 1907/2006 ANHANG XVII Beschränkungsbedingungen: 3, 30, 48, 51c**

· Verordnung (EU) Nr. 649/2012

85-68-7	BBP	Annex I Part 1 Annex I Part 2
---------	-----	----------------------------------

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

Klasse	Anteil in %
Wasser	30,4
NK	66,0

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

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· **Sonstige Vorschriften, Beschränkungen und Verbotsverordnungen**

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

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

85-68-7	BBP
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· **15.2 Stoffsicherheitsbeurteilung:** Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.

ABSCHNITT 16: Sonstige Angaben

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

· **Relevante Sätze**

- H225 Flüssigkeit und Dampf leicht entzündbar.
- H226 Flüssigkeit und Dampf entzündbar.
- H302 Gesundheitsschädlich bei Verschlucken.
- H304 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.
- H312 Gesundheitsschädlich bei Hautkontakt.
- H315 Verursacht Hautreizungen.
- H317 Kann allergische Hautreaktionen verursachen.
- H319 Verursacht schwere Augenreizung.
- H332 Gesundheitsschädlich bei Einatmen.
- H336 Kann Schläfrigkeit und Benommenheit verursachen.
- H360Df Kann das Kind im Mutterleib schädigen. Kann vermutlich die Fruchtbarkeit beeinträchtigen.
- H361d Kann vermutlich das Kind im Mutterleib schädigen.
- H373 Kann die Organe schädigen bei längerer oder wiederholter Exposition.
- H400 Sehr giftig für Wasserorganismen.
- H410 Sehr giftig für Wasserorganismen mit langfristiger Wirkung.
- H413 Kann für Wasserorganismen schädlich sein, mit langfristiger Wirkung.

· **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

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Entzündbare Flüssigkeiten – Kategorie 2

Flam. Liq. 3: Entzündbare Flüssigkeiten – Kategorie 3

Acute Tox. 4: Akute Toxizität – Kategorie 4

Skin Irrit. 2: Hautreizende/-ätzende Wirkung – Kategorie 2

Eye Irrit. 2: Schwere Augenschädigung/Augenreizung – Kategorie 2

Skin Sens. 1: Sensibilisierung der Haut – Kategorie 1

Skin Sens. 1B: Sensibilisierung der Haut – Kategorie 1B

Repr. 1B: Reproduktionstoxizität – Kategorie 1B

Repr. 2: Reproduktionstoxizität – Kategorie 2

STOT SE 3: Spezifische Zielorgan-Toxizität (einmalige Exposition) – Kategorie 3

STOT RE 2: Spezifische Zielorgan-Toxizität (wiederholte Exposition) – Kategorie 2

Asp. Tox. 1: Aspirationsgefahr – Kategorie 1

Aquatic Acute 1: Gewässergefährdend - akut gewässergefährdend – Kategorie 1

Aquatic Chronic 1: Gewässergefährdend - langfristig gewässergefährdend – Kategorie 1

Aquatic Chronic 3: Gewässergefährdend - langfristig gewässergefährdend – Kategorie 3

Aquatic Chronic 4: Gewässergefährdend - langfristig gewässergefährdend – Kategorie 4

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

Stampato il: 01.07.2019

Revisione: 01.07.2019

SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa

- **1.1 Identificatore del prodotto**
- **Denominazione commerciale:** Shur Mount Xylene Based
- **Articolo numero:** 17991-01, 17991-06
- **1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati**
Non sono disponibili altre informazioni.
- **Utilizzazione della Sostanza / del Preparato** Prodotti chimici per laboratorio
- **1.3 Informazioni sul fornitore della scheda di dati di sicurezza**
- **Produttore/fornitore:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
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**



GHS02 fiamma

Flam. Liq. 2 H225 Liquido e vapori facilmente infiammabili.



GHS08 pericolo per la salute

Repr. 1B H360Df Può nuocere al feto. Sospettato di nuocere alla fertilità.
STOT RE 2 H373 Può provocare danni agli organi in caso di esposizione prolungata o ripetuta.
Asp. Tox. 1 H304 Può essere letale in caso di ingestione e di penetrazione nelle vie respiratorie.



GHS07

Skin Irrit. 2 H315 Provoca irritazione cutanea.
STOT SE 3 H336 Può provocare sonnolenza o vertigini.
Aquatic Chronic 3 H412 Nocivo per gli organismi acquatici con effetti di lunga durata.

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· **2.2 Elementi dell'etichetta**· **Etichettatura secondo il regolamento (CE) n. 1272/2008**

Il prodotto è classificato ed etichettato conformemente al regolamento CLP.

· **Pittogrammi di pericolo**

GHS02 GHS07 GHS08

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

toluene

BBP

· **Indicazioni di pericolo**

H225 Liquido e vapori facilmente infiammabili.

H315 Provoca irritazione cutanea.

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

H336 Può provocare sonnolenza o vertigini.

H373 Può provocare danni agli organi in caso di esposizione prolungata o ripetuta.

H304 Può essere letale in caso di ingestione e di penetrazione nelle vie respiratorie.

H412 Nocivo per gli organismi acquatici con effetti di lunga durata.

· **Consigli di prudenza**P301+P310 **IN CASO DI INGESTIONE:** contattare immediatamente un CENTRO ANTIVELENI/un medico.

P321 Trattamento specifico (vedere su questa etichetta).

P331 **NON** provocare il vomito.P303+P361+P353 **IN CASO DI CONTATTO CON LA PELLE (o con i capelli):** togliere immediatamente tutti gli indumenti contaminati. Sciacquare la pelle/fare una doccia.

P362+P364 Togliere tutti gli indumenti contaminati e lavarli prima di indossarli nuovamente.

P405 Conservare sotto chiave.

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

· **Ulteriori dati:**

Contiene 2-(2-Hydroxy-5-methylphenyl)benzotriazole, mechinolo. Può provocare una reazione allergica.

· **2.3 Altri pericoli**· **Risultati della valutazione PBT e vPvB**· **PBT:** Non applicabile.· **vPvB:** Non applicabile.

SEZIONE 3: Composizione/informazioni sugli ingredienti

· **3.2 Caratteristiche chimiche: Miscela**· **Descrizione:** Miscela delle seguenti sostanze con additivi non pericolosi.· **Sostanze pericolose:**

CAS: 1330-20-7 EINECS: 215-535-7	xilene ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	>25-≤50%
CAS: 108-88-3 EINECS: 203-625-9	toluene ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	>25-≤50%

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CAS: 2440-22-4 EINECS: 219-470-5	2-(2-Hydroxy-5-methylphenyl)benzotriazole` ⚠ Skin Sens. 1B, H317; Aquatic Chronic 4, H413	≤2,5%
CAS: 150-76-5 EINECS: 205-769-8	mechinolo ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317	≤2,5%
CAS: 85-68-7 EINECS: 201-622-7	BBP ⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤2,5%

· SVHC

85-68-7 | BBP

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

SEZIONE 4: Misure di primo soccorso

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

· **Indicazioni generali:**

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

· **Inalazione:**

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

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

· **Contatto con la pelle:** Lavare immediatamente con acqua e sapone sciacquando accuratamente.

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

· **Ingestione:** 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 dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali**
Non sono disponibili altre informazioni.

SEZIONE 5: Misure antincendio

· **5.1 Mezzi di estinzione**

· **Mezzi di estinzione idonei:** CO2, sabbia, polvere. Non usare acqua.

· **Mezzi di estinzione inadatti per motivi di sicurezza:** Getti d'acqua

· **5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela** Non sono disponibili altre informazioni.

· **5.3 Raccomandazioni per gli addetti all'estinzione degli incendi**

· **Mezzi protettivi specifici:** Indossare il respiratore.

SEZIONE 6: Misure in caso di rilascio accidentale

· **6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza**

Indossare equipaggiamento protettivo. Allontanare le persone non equipaggiate.

· **6.2 Precauzioni ambientali:**

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

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

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

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

Smaltimento del materiale contaminato conformemente al punto 13.

Provvedere ad una sufficiente areazione.

Non dilavare con acqua o detergenti liquidi.

· **6.4 Riferimento ad altre sezioni**

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

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Per informazioni relative all'equipaggiamento protettivo ad uso personale vedere Capitolo 8.
Per informazioni relative allo smaltimento vedere Capitolo 13.

SEZIONE 7: Manipolazione e immagazzinamento

- **7.1 Precauzioni per la manipolazione sicura**
Accurata ventilazione/aspirazione nei luoghi di lavoro.
Aprire e manipolare i recipienti con cautela.
Evitare la formazione di aerosol.
- **Indicazioni in caso di incendio ed esplosione:**
Tenere lontano da fonti di calore, non fumare.
Proteggere dal calore.
Adottare provvedimenti contro cariche elettrostatiche.
Tener pronto il respiratore.
- **7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità**
- **Stoccaggio:**
- **Requisiti dei magazzini e dei recipienti:** Conservare in ambiente fresco.
- **Indicazioni sullo stoccaggio misto:** Non necessario.
- **Ulteriori indicazioni relative alle condizioni di immagazzinamento:**
Mantenere i recipienti ermeticamente chiusi.
Conservare in luogo fresco e asciutto in fusti ben chiusi.
Proteggere dal calore e dai raggi diretti del sole.
- **7.3 Usi finali particolari** Non sono disponibili altre informazioni.

SEZIONE 8: Controllo dell'esposizione/protezione individuale

- **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:**

1330-20-7 xilene

TWA Valore a breve termine: 651 mg/m³, 150 ppm
Valore a lungo termine: 434 mg/m³, 100 ppm
A4, IBE

VL Valore a breve termine: 442 mg/m³, 100 ppm
Valore a lungo termine: 221 mg/m³, 50 ppm
Pelle

108-88-3 toluene

TWA Valore a lungo termine: 75,4 mg/m³, 20 ppm
A4, IBE

VL Valore a lungo termine: 192 mg/m³, 50 ppm
Pelle

150-76-5 mechinolo

TWA Valore a lungo termine: 5 mg/m³

· **Componenti con valori limite biologici:**

1330-20-7 xilene

IBE 1,5 g/g creatinina
Campioni: urine
Momento del prelievo: a fine turno
Indicatore biologico: acido metilippurico

(continua a pagina 5)

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108-88-3 toluene

IBE	0,02 mg/l Campioni: sangue Momento del prelievo: a prima ultimo turno settimana lavorativa Indicatore biologico: toluene
	0,03 mg/l Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: toluene
	0,3 mg/g creatinina Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: o-cresolo

· **Ulteriori indicazioni:** Le liste valide alla data di compilazione sono state usate come base.

· **8.2 Controlli dell'esposizione**

· **Mezzi protettivi individuali:**

· **Norme generali protettive e di igiene del lavoro:**

- Tenere lontano da cibo, bevande e foraggi.
- Togliere immediatamente gli abiti contaminati.
- Lavarsi le mani prima dell'intervallo o a lavoro terminato.
- Custodire separatamente l'equipaggiamento protettivo.
- Evitare il contatto con la pelle.
- Evitare il contatto con gli occhi e la pelle.

· **Maschera protettiva:**

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

· **Guanti protettivi:**



Guanti protettivi

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

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

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

· **Materiale dei guanti**

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

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

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

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· **Occhiali protettivi:**

Occhiali protettivi a tenuta

SEZIONE 9: Proprietà fisiche e chimiche

· 9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali

· Indicazioni generali

· Aspetto:

Forma: Liquido

Colore: Chiaro

· **Odore:** Caratteristico

· **Soglia olfattiva:** Non definito.

· **valori di pH:** Non definito.

· Cambiamento di stato

Punto di fusione/punto di congelamento: Non definito.

Punto di ebollizione iniziale e intervallo di ebollizione: Non definito.

· **Punto di infiammabilità:** 4 °C

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

· **Temperatura di accensione:** 500 °C

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

· **Temperatura di autoaccensione:** Prodotto non autoinfiammabile.

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

· Limiti di infiammabilità:

Inferiore: 1,1 Vol %

Superiore: 7 Vol %

· **Tensione di vapore a 20 °C:** 29 hPa

· **Densità:** Non definito.

· **Densità relativa** Non definito.

· **Densità di vapore:** Non definito.

· **Velocità di evaporazione** Non definito.

· **Solubilità in/Miscibilità con acqua:**

Poco e/o non miscibile.

· **Coefficiente di ripartizione: n-ottanolo/acqua:** Non definito.

· Viscosità:

Dinamica: Non definito.

Cinematica: Non definito.

· Tenore del solvente:

Solventi organici: 66,0 %

Acqua: 30,4 %

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VOC (CE)	66,00 %
Contenuto solido:	0,9 %
· 9.2 Altre informazioni	Non sono disponibili altre informazioni.

SEZIONE 10: Stabilità e reattività

- **10.1 Reattività** Non sono disponibili altre informazioni.
- **10.2 Stabilità chimica**
- **Decomposizione termica/ condizioni da evitare:** Il prodotto non si decompone se utilizzato secondo le norme.
- **10.3 Possibilità di reazioni pericolose** 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** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

· Valori LD/LC50 rilevanti per la classificazione:		
1330-20-7 xilene		
Orale	LD50	4.300 mg/kg (rat)
Cutaneo	LD50	2.000 mg/kg (rabbit)
108-88-3 toluene		
Orale	LD50	5.000 mg/kg (rat)
Cutaneo	LD50	12.124 mg/kg (rabbit)
Per inalazione	LC50/4 h	5.320 mg/l (mouse)
85-68-7 BBP		
Orale	LD50	2.330 mg/kg (rat)

- **Irritabilità primaria:**
- **Corrosione/irritazione cutanea**
Provoca irritazione cutanea.
- **Lesioni oculari gravi/irritazioni oculari gravi**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Sensibilizzazione respiratoria o cutanea**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Effetti CMR (cancerogenicità, mutagenicità e tossicità per la riproduzione)**
- **Mutagenicità delle cellule germinali**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Cancerogenicità** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Tossicità per la riproduzione**
Può nuocere al feto. Sospettato di nuocere alla fertilità.
- **Tossicità specifica per organi bersaglio (STOT) - esposizione singola**
Può provocare sonnolenza o vertigini.
- **Tossicità specifica per organi bersaglio (STOT) - esposizione ripetuta**
Può provocare danni agli organi in caso di esposizione prolungata o ripetuta.

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- **Pericolo in caso di aspirazione**
Può essere letale in caso di ingestione e di penetrazione nelle vie respiratorie.


SEZIONE 12: Informazioni ecologiche

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

SEZIONE 13: Considerazioni sullo smaltimento

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

SEZIONE 14: Informazioni sul trasporto

- | | |
|---|------------------------------|
| · 14.1 Numero ONU | |
| · ADR, IMDG, IATA | UN1170 |
| · 14.2 Nome di spedizione dell'ONU | |
| · ADR | 1170 ETANOLO (ALCOL ETILICO) |
| · IMDG | ETHANOL (ETHYL ALCOHOL) |
| · IATA | ETHANOL |
| · 14.3 Classi di pericolo connesso al trasporto | |
| · ADR, IMDG, IATA | |
|  | |
| · Classe | 3 Liquidi infiammabili |
| · Etichetta | 3 |

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· 14.4 Gruppo di imballaggio · ADR, IMDG, IATA	<i>II</i>
· 14.5 Pericoli per l'ambiente:	<i>Non applicabile.</i>
· 14.6 Precauzioni speciali per gli utilizzatori · Numero Kemler: · Numero EMS: · Stowage Category	<i>Attenzione: Liquidi infiammabili</i> <i>33</i> <i>F-E,S-D</i> <i>A</i>
· 14.7 Trasporto di rinfuse secondo l'allegato II di MARPOL ed il codice IBC	<i>Non applicabile.</i>
· Trasporto/ulteriori indicazioni:	
· ADR · Quantità limitate (LQ) · Quantità esenti (EQ)	<i>1L</i> <i>Codice: E2</i> <i>Quantità massima netta per imballaggio interno: 30 ml</i> <i>Quantità massima netta per imballaggio esterno: 500 ml</i>
· Categoria di trasporto · Codice di restrizione in galleria	<i>2</i> <i>D/E</i>
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	<i>1L</i> <i>Code: E2</i> <i>Maximum net quantity per inner packaging: 30 ml</i> <i>Maximum net quantity per outer packaging: 500 ml</i>
· UN "Model Regulation":	<i>UN 1170 ETANOLO (ALCOL ETILICO), 3, II</i>

SEZIONE 15: Informazioni sulla regolamentazione

- **15.1 Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela**
- **Direttiva 2012/18/UE**
- **Sostanze pericolose specificate - ALLEGATO I** Nessuno dei componenti è contenuto.
- **Categoria Seveso P5c LIQUIDI INFIAMMABILI**
- **Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia inferiore 5.000 t**
- **Quantità limite (tonnellate) ai fini dell'applicazione dei requisiti di soglia superiore 50.000 t**

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

85-68-7 | **BBP**

Sunset date: 2015-02-21

- **REGOLAMENTO (CE) n. 1907/2006 ALLEGATO XVII** Restrizioni: 3, 30, 48, 51c

· **Regolamento (UE) N. 649/2012**

85-68-7 | **BBP**Annex I Part 1
Annex I Part 2

· **Disposizioni nazionali:**

· **Istruzione tecnica aria:**

Classe	quota in %
NC	66,0

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IT

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

· **Sostanze estremamente preoccupanti (SVHC) ai sensi della regolamento REACH, articolo 57**

85-68-7	BBP
---------	-----

· **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.

· **Frasei rilevanti**

H225 Liquido e vapori facilmente infiammabili.

H226 Liquido e vapori infiammabili.

H302 Nocivo se ingerito.

H304 Può essere letale in caso di ingestione e di penetrazione nelle vie respiratorie.

H312 Nocivo per contatto con la pelle.

H315 Provoca irritazione cutanea.

H317 Può provocare una reazione allergica cutanea.

H319 Provoca grave irritazione oculare.

H332 Nocivo se inalato.

H336 Può provocare sonnolenza o vertigini.

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

H361d Sospettato di nuocere al feto.

H373 Può provocare danni agli organi in caso di esposizione prolungata o ripetuta.

H400 Molto tossico per gli organismi acquatici.

H410 Molto tossico per gli organismi acquatici con effetti di lunga durata.

H413 Può essere nocivo per gli organismi acquatici con effetti di lunga durata.

· **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

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Liquidi infiammabili – Categoria 2

Flam. Liq. 3: Liquidi infiammabili – Categoria 3

Acute Tox. 4: Tossicità acuta – Categoria 4

Skin Irrit. 2: Corrosione/irritazione della pelle – Categoria 2

Eye Irrit. 2: Gravi lesioni oculari/irritazione oculare – Categoria 2

Skin Sens. 1: Sensibilizzazione della pelle – Categoria 1

Skin Sens. 1B: Sensibilizzazione della pelle – Categoria 1B

Repr. 1B: Tossicità per la riproduzione – Categoria 1B

Repr. 2: Tossicità per la riproduzione – Categoria 2

STOT SE 3: Tossicità specifica per organi bersaglio (esposizione singola) – Categoria 3

STOT RE 2: Tossicità specifica per organi bersaglio (esposizione ripetuta) – Categoria 2

Asp. Tox. 1: Pericolo in caso di aspirazione – Categoria 1

Aquatic Acute 1: Pericoloso per l'ambiente acquatico - pericolo acuto per l'ambiente acquatico – Categoria 1

Aquatic Chronic 1: Pericoloso per l'ambiente acquatico - pericolo a lungo termine per l'ambiente acquatico – Categoria 1

Aquatic Chronic 3: Pericoloso per l'ambiente acquatico - pericolo a lungo termine per l'ambiente acquatico – Categoria 3

Aquatic Chronic 4: Pericoloso per l'ambiente acquatico - pericolo a lungo termine per l'ambiente acquatico – Categoria 4

물질안전보건자료

GHS에 따라 라다

기압점: 2019.07.01

개정: 2019.07.01

1 화학제품과 회사에 관한 정보

제품제명

· **제품명:** Shur Mount Xylene Based

· **상품번호:** 17991-01, 17991-06

해당 해당 물질이나 혼합물에 대한 관련 위험도 및 사용금지용도 추가적인 정보가 존재하지 않습니다.

· **제품의 권고 용도와 사용 상의 제한 사항** 실화 학품

· **안전데이터표(Safety Data Sheet)내 공급업체 관련 상세 정보**

· **제조사/수입자/유통업체 정보**

Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com

Samchang Commercial Co., Ltd.
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Daedok Science, Co. Ltd.
34141 E10 Korea Advanced Institute of Science
Guseong-Dong, Yuseong-gu, Daejeon,
Korea
Phone: 82 42 710 2091
Fax: 82 42 367 0005
Website: www.labsmro.com

· **추가적인 정보** 특정 위험 회동 가능 duct safety department

· **비상연락 전화번호:**

ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 유해성·위험성

· **순물질 또는 혼합물에 대한 분류분류**



화염

인화성 액체 - 구분 2

H225 고인화성 액체 및 증기



건강에 위험

생식독성 - 구분 1B

H360 태아 또는 생식능력에 손상을 일으킬 수 있음

특정표적장기 독성 - 반복 노출 - 구분 2

H373 장기간 또는 반복노출 되면 신체 중에 손상을 일으킬 수 있음

흡인 유해성 - 구분 1

H304 삼켜서 기도로 유입되면 치명적일 수 있음

(2 쪽에 계속)

물질안전보건자료

GHS에 따라라따

기압점: 2019.07.01

개정: 2019.07.01

제품명: Shur Mount Xylene Based

(1 쪽부터계속)



피부 부식성/피부 자극성 - 구분 2 H315 피부에 자극을 일으킴
 특정표적장기 독성 - 1회 노출 - 구분 3 H336 졸음 또는 현기증을 일으킬 수 있음
 수생환경 유해성 - 만성3 H412 장기적인 영향에 의해 수생생물에게 유해함

라벨표가요소요소

라벨표가요소요소

본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

그림문자



GHS02 GHS07 GHS08

신호어 위험

상표상에명확히위험성이표시된성분:

크실렌

톨루엔

부틸벤질 프탈레이트

유해 **유해위험성** 문구

고인화성 액체 및 증기

피부에 자극을 일으킴

태아 또는 생식능력에 손상을 일으킬 수 있음

졸음 또는 현기증을 일으킬 수 있음

장기간 또는 반복노출 되면 신체 중에 손상을 일으킬 수 있음

삼켜서 기도로 유입되면 치명적일 수 있음

장기적인 영향에 의해 수생생물에게 유해함

예방조치 문구문구

삼켰을 시: 즉시 독성물질센터/병원 연락 필요.

(라벨 참조) 처치를 하시오.

토하게 하지 마시오.

피부(또는 머리카락)에 묻으면 오염된 모든 의복은 벗으시오. 피부를 물로 씻으시오/샤워하시오.

오염된 의복은 벗고 다시 사용 전 세척하시오.

잠금장치가 있는 저장장소에 저장 하시오.

현지/지역/국가/국제 규정에 따라서 내용물/용기 노출

기타기타 **유해성**

· PBT(잔류성, 생물농축성, 물질독성) 및 vPvB(고 잔류성, 고 생물농축성) 물질이 포함되어 있는 결과

· PBT(잔류성, 생물농축성, 물질독성) 물질이 포함되어 있지 않음.

· vPvB(고 잔류성, 고 생물농축성) 물질이 포함되어 있지 않음.

3 구성성분의 명칭 및 함유량

화학적 특성: 혼합물

설명설명설명 설명한 첨가물 이 함유된 아래에 열거된 물질로 만들어진 혼합물.

위험요소요소

1330-20-7	크실렌 인화성 액체 - 구분 3, H226; 급성 독성 - 경피 - 구분 4, H312; 급성 독성 - 흡입 - 구분 4, H332; 피부 부식성/피부 자극성 - 구분 2, H315	>25-≤50%
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(3 쪽에계속)

제품명: Shur Mount Xylene Based

		(2 쪽부터 계속)
108-88-3	툴루엔 인화성 액체 - 구분 2, H225; 생식독성 - 구분 2, H361; 특정표적장기 독성 - 반복 노출 - 구분 2, H373; 흡인 유해성 - 구분 1, H304; 피부 부식성/피부 자극성 - 구분 2, H315; 특정표적장기 독성 - 1회 노출 - 구분 3, H336	>25-≤50%
2440-22-4	2-(2-Hydroxy-5-methylphenyl)benzotriazole 피부 과민성 - 구분 1, H317; 수생환경 유해성 - 만성4, H413	≤2.5%
150-76-5	mequinol 급성 독성 - 경구 - 구분 4, H302; 심한 눈 손상성/눈 자극성 - 구분 2, H319; 피부 과민성 - 구분 1, H317	≤2.5%
85-68-7	부틸벤질 프탈레이트 생식독성 - 구분 1B, H360; 수생환경 유해성 - 급성 1, H400; 수생환경 유해성 - 만성1, H410	≤2.5%

4 응급조치 요령

- 응급조치요령 내용내용
- **일반적 정보정보**
중독 증상은 몇 시간이 지난 뒤에 발생할 수 있다. 따라서 사고가 발생한 후에 적어도 48 시간동안은 의료진의 관찰을 받아야 한다.
- **흡입했을 때:**
신선한 공기를 쐬고, 필요할 경우에는 산소 호흡기의 도움을 받는다. 환자를 따뜻하게 하고, 증상이 지속될 경우에는 의료진의 도움을 구한다.
환자가 의식을 잃었을 경우에는 안전한 자세에서 환자를 운반한다.
- **피부에 접촉했을 때:** 즉시 물과 비누로 씻고 잘 행군다.
- **눈에 눈에 들어갔을 때:** 흐르는 물에 눈을 몇 분 동안 씻어낸다.
- **먹었을 때:** 증상이 지속될 경우에는 의사와 상담한다.
- 기타 기타 사항의 주의사항:
가장 가장 중요한 응급조치 응급조치 영향 영향적인 정보가 존재하지 않습니다.
· **즉각적인 의료처리 및 특별처리가 필요함을 시사하는 징후 징후**적인 정보가 존재하지 않습니다.

5 폭발·화재시 대처방법

- 소화제
- **적절한 소화제:** 이산화탄소, 모래, 석회 가루를 사용하고, 물을 사용하지 않는다.
- **부적절한 소화제:** 플레트용 물
- **본 화학물질이나 혼합물에서 발생하는 특별한 주의사항:** 추가적인 정보가 존재하지 않습니다.
- 소방관에게 대한 신고사항
- 화재 발생 시 화재 발생 시 사용할 보호구 및 예방조치: 호흡보호장비 설치.

6 누출 사고 시 대처방법

- **개인적 예방조치, 보호장비 및 응급조치 절차 절차**적인 장비 착용하고, 무방비의 사람은 격리시킨다.
- **환경 환경 관련 관련 조치:**
하천이나 하수로 유입되었을 경우 해당 관청에 보고한다.
하수도망/하수면 위의 물/지하수로도 달하지 않게 한다.
- **밀폐 밀폐 용기 용기**에 소재 소재
액체가 혼합된 물질 (모래, 규조토, 산성 결합물, 일반 결합물, 톱밥)에 흡입되도록 한다.
항목 13에 따라 오염된 물질을 쓰레기로 처분한다.
충분한 환기가 되도록 한다.
물이나 묽은 세척제로 씻어 내지 마십시오

(4 쪽에 계속)

물질안전보건자료 GHS에 따라라다

기압점: 2019.07.01

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제품명: Shur Mount Xylene Based

(3 쪽부터계속)

색다른 색상을 위한 참조

안전 관리에 대한 정보는 제7 장 을 참고하시오.
개인 보호 장비에 대한 정보는 제8 장 을 참고하시오.
쓰레기 처리에 대한 정보는 제13 장 을 참고하시오.

7 취급 및 저장방법

취급 취급 취급

안전 안전 안전을 위한 예방 조치

작업장에서는 통풍이 잘 되고/습기 제거가 잘 되게 주의한다.
조심스럽게 용기를 개봉하거나 취급한다.
연무질이 형성되는 것을 피한다.

화재 화재 위험을 피하기 위한 예방 대책에 관한 정보

발 화 요소는 멀리 둔 다-급 연.
열로부터 보호한다.
정 전기 의 충 전 으로부터 보호한다.
호흡 보호 장비를 항상 비치한다.

혼합 위험성 혼합 위험성 조건

보관 보관 보관

- 안전 방 저장 방법 가운 장소에 보관한다.
- 하나 용 공 용 공 용 보 관 에 대 한 이 해 한 보 관 공 보 관 정 보 없음
- 보 관 조 건 에 관 한 주 가 정 보 정보
용기를 새지 않게 밀폐한 채 보관한다.
밀폐된 용기 속에서 늘 하고 건조 하게 보관 한다.
열이나 직사광선으로부터 보호한다.
- 구 체 적 최 종 최 종 자 추가적인 정보가 존재하지 않습니다.

8 노출방지 및 개인보호구

· 첨단 시설 디자인에 대한 추가 정보: 더 이상 의 자료는 없음. 항 목 7 을 참고하시오.

통제 통 제 통 제 변수

· 화학 물질의 노출기준, 생물학적 노출기준 등:

1330-20-7 크실렌

TLV (KR)	단기간의값: 150 ppm 장기간의값: 100 ppm
IOELV (EU)	단기간의값: 442 mg/m ³ , 100 ppm 장기간의값: 221 mg/m ³ , 50 ppm Skin
PEL (US)	장기간의값: 435 mg/m ³ , 100 ppm
REL (US)	단기간의값: 655 mg/m ³ , 150 ppm 장기간의값: 435 mg/m ³ , 100 ppm
TLV (US)	단기간의값: 651 mg/m ³ , 150 ppm 장기간의값: 434 mg/m ³ , 100 ppm BEI

108-88-3 톨루엔

TLV (KR)	단기간의값: 150 ppm 장기간의값: 50 ppm 생식독성 2
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(5 쪽에계속)

물질안전보건자료

GHS에 따라 라다

기압점: 2019.07.01

개정: 2019.07.01

제품명: Shur Mount Xylene Based

(4 쪽부터 계속)

IOELV (EU)	단기간의값: 384 mg/m ³ , 100 ppm 장기간의값: 192 mg/m ³ , 50 ppm Skin
PEL (US)	장기간의값: 200 ppm 최고노출기준: 300; 500* ppm *10-min peak per 8-hr shift
REL (US)	단기간의값: 560 mg/m ³ , 150 ppm 장기간의값: 375 mg/m ³ , 100 ppm
TLV (US)	장기간의값: 75 mg/m ³ , 20 ppm BEI
150-76-5 mequinol	
TLV (KR)	장기간의값: 5 mg/m ³
REL (US)	장기간의값: 5 mg/m ³
TLV (US)	장기간의값: 5 mg/m ³

· 추가정보정확도를 확보할 당시에 유효한 목록을 기초로 사용했다.

노출 통제를 통해 통제
개인개인 보호구

· **일반적보호조치및위생조치:**

- 식료품, 음료수와 사료로부터 멀리 떨어져 두어 놓는다.
- 더러워지거나 음료수가 묻은 옷은 즉시 탈의한다.
- 휴식 전이나 작업이 끝날때마다 손을 씻는다.
- 방호복은 따로 보관한다.
- 피부와의 접촉을 피한다.
- 눈과 피부와의 접촉을 피한다.

· **호흡기 보호보호**

· 단시간 또는 경미한 오염의 경우에는 호흡여과기를 사용한다. 심각한 또는 장기간 노출시에는 호흡보호장비를 사용한다.

보호보호보호



보호용 장갑

장갑재질은제품 / 원료 / 조제를투과시키지않아야하고, 내구성이있어야한다.
테스트를 하지 않았기 때문에 제품 / 조제 / 화학 혼합물에 적합한 장갑재질에 대한 추천이 없다.
투과 시간, 침투율과 저하를 고려해서 장갑 재료를 선택한다.

· **장갑의재료**

적합한장갑의선택은재질차이뿐만아니라품질기준의차이도고려하여이루어져야하고제조업종에따라서도다르게 선정되어야한다. 제품은다양한재료로부터의조제로이루어지는것이기때문에, 장갑재질의안정성은사전에예측되어질수있는것이아니고, 반드시사용전에 (그안전성이) 체크되어야한다.

· **장갑재료의투과시간** 정확한관통시간은보호장갑제조자에의하여인지되고, 준수되어야한다.

보호보호보호



확조이는보안경

KR

(6 쪽에 계속)

물집안전보건자료

GHS에 따라라따

기압점: 2019.07.01

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9 물리화학적 특성

기본 물리화학적 특성에 대한 정보

· 일반정보	
외형외형의형	액체
· 물량계상 상태	액체
· 색:	밝은
냄새냄새냄새	특색있는
· 후각역치	알맞지않다.
· pH:	알맞지않다.
· 상태변화	
· 녹는점/어는점:	맞지않는
· 초기초기끓는점과 끓는점범위범위	맞지않는
· 인화점:	4 °C
· 인화성고체고체기체	해당사항 없음.
· 점화온도:	500 °C
분해온도	알맞지않다.
· 자기점화:	이제품은자연발화성이없다.
· 폭발위험:	이제품은폭발위험성이없지만, 폭발가능성이있는증기화합물/공기화합물의형성가능성이있다.
인화 안전 인화 폭발 위험 상한 하한	
· 아래로:	1.1 Vol %
· 위로위로위로	7 Vol %
· 증기압 의경우 20 °C:	29 hPa
밀도밀도밀도	맞지않는다.
비중비중비중	알맞지않다.
· 증기밀도:	알맞지않다.
증발 증발 증발 속도	알맞지않다.
· 용해도:	
· 물:	각각의경우에따라서는 거의혼합할수없는
· n 옥탄올/물 분배계수:	알맞지않다.
점도점도점도	
· 역학성:	알맞지않다.
· 동점성:	알맞지않다.
· 용매내용물	
· 유기용매:	66.0 %
· 물:	30.4 %
· VOC (EU)	66.00 %
· 고계량 함량 함량	0.9 %
기타 정보 정보	추가적인 정보가 존재하지 않습니다.

10 안정성 및 반응성

· 반응성 추가적인 정보가 존재하지 않습니다.

(7 쪽에계속)

물질안전보건자료

GHS에 따라라따

기압점: 2019.07.01

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제품명: Shur Mount Xylene Based

(6 쪽부터계속)

- **화학적 안정성**
- **화학적 안정성 및 유해 반응의 가능성 / 피해 야 할 조건 조건**에 따라 사용 할 경우 해체는 없다
- **유해 반응 가능성** 위험한 반응으로는 알려지지 않았다.
- **피해 야 할 조건 조건** 추가적인 정보가 존재 하지 않습니다.
- **혼합 혼합물 혼합물** 추가적인 정보가 존재 하지 않습니다.
- **유해 본 해 물질:** 위험성 있는 본 해 물질은 알려지지 않았다.

11 독성에 관한 정보

· **독성학적 영향에 대한 정보**
 급성 독성 독성 독성

· LD/LC50-수 체에 따른 분류		
1330-20-7 크 실 렌		
구강의	LD50	4,300 mg/kg (rat)
피부의	LD50	2,000 mg/kg (rabbit)
108-88-3 톨 루 언		
구강의	LD50	5,000 mg/kg (rat)
피부의	LD50	12,124 mg/kg (rabbit)
흡입의	LC50/4 h	5,320 mg/l (mouse)
85-68-7 부 틸 벤 질 프 탈 레 이 트		
구강의	LD50	2,330 mg/kg (rat)

- **일차적 자극 효과**
- **피부 자극성 또는 자극성:** 피부와 접촉을 자극한다.
- **심한 심한 자극성 또는 자극성:** 무 자극.
- **감각화:** 민감한 영향이 없는 것으로 알려져 있다.
- **추 가 적 인 독 성 에 관 한 정보**
 이 제 품 은 유 럽 공 동 체 의 공 동 분 류 원 칙 의 합 법 적 인 절차 에 근 거 하 여 최 근 에 발 호 된 원 고 에 서 아 래 위 험 들 의 사 전 준비 에 대 하 여 제 시 하 고 있 다.
 건 강 에 해 로 운
 자 극 적 인
- **다음 다음 중 중의 잠재적인 효과에 대한 정보**
 · **CMR 효과 유발, 유발, 유발 이 성 그 랑 과 생 생 독 성**
 생 식 독 성 - 구 분 1B

12 환경에 미치는 영향

- 독성 독성 독성
- **수생 독성:** 추가적인 정보가 존재 하지 않습니다.
 - **지속성 및 분해성** 추가적인 정보가 존재 하지 않습니다.
 - **한 경 시 스템 에 서 의 행 동:**
 - **생물 농 축 잠 재 성** 추가적인 정보가 존재 하지 않습니다.
 - **토양 내 이 동 성** 추가적인 정보가 존재 하지 않습니다.
 - **생 태 독 성:**
- 의 견 의 견 의 견 류 에 해 로 운
- **추 가 적 인 생 태 학 정보 정보**
- 일 반 열 려 지 특 징
- 수질 오염 등급 2 (자체 등급 분류): 수질 오염이 된 지하수나, 하천으로 또는 하수도망에도 닿지 않게 한다.
 - 지하수로 경미한 양이 유입 되었을 경우 엔 이미 식 수 오염 상태 이다
 - 물 속 의 유 기 체 에 해 가 되 는 것

(8 쪽에 계속)

물질안전보건자료

GHS에 따라라따

기압점: 2019.07.01

개정: 2019.07.01

제품명: Shur Mount Xylene Based


- PBT(잔류성, 생물농축성, 물성, 물질, 물질, vPvB(고 잔류성, 고 생물농축성, 물질, 물질, 물질, 물질) 결과
 - PBT(잔류성, 생물농축성, 물성, 물질, 물질) 당사항 없음.
 - vPvB(고 잔류성, 고 생물농축성, 물질, 물질) 당사항 없음.
- 기타기타 **부작용** 추가적인 정보가 존재하지 않습니다.

(7 쪽부터계속)

13 폐기시 주의사항

- 폐기물처리방법
권고 권고 건설쓰레기와 함께 처리되어서는 안 된다. 하수도망으로 유입되어서는 안 된다.
- 비위생적 포장포장
권고 권고 의지침에 입각한 쓰레기 처리.

14 운송에 필요한 정보

유엔 유엔 번호	UN1170
· ADR, IMDG, IATA	
적정적정명	1170 ETHANOL (ETHYL ALCOHOL)
· ADR	ETHANOL (ETHYL ALCOHOL)
· IMDG	ETHANOL
· IATA	
교통 교통 클래스	
· ADR, IMDG, IATA	
	
등급 등급	3 발화성용액
· 위험물라벨라벨	3
용기 등급	II
· ADR, IMDG, IATA	
환경적 유해물질:	해당사항 없음.
이용지특별해방조치	경고: 발화성용액
위험 위험 코드	33
· E 번호번호	F-E,S-D
· Stowage Category	A
MARPOL 73/78(선박으로부터의 해양오염방지협약) 부속서 2 및 IBC Code(국제선적화물코드)에 따른	
별크 별크 운송 운송	해당사항 없음.
운송/ 추가 정보	
· ADR	
한정 한정량 (권)	1L
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
운송 운송 구분	2

(9 쪽에계속)

물질안전보건자료

GHS에 따라 라다

기압점: 2019.07.01

개정: 2019.07.01

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<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	D/E 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN번호 UN번호 UN번호 UN번호 UN번호 UN번호	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II

15 법적 규제현황

· 산업안전보건법에 의한 유해유체 규제

제조제조제조금지물질:

어떠한내용물도 목록화 되어있지 않다

· 허가대상물질:

어떠한내용물도 목록화 되어있지 않다

· 관리대상유해물질:

1330-20-7 크실렌

108-88-3 톨루엔

· 작업환경측정 대상 유해인자

1330-20-7 크실렌

1A90

108-88-3 톨루엔

1A96

· 특수건강진단 대상 유해인자

1330-20-7 크실렌

1A81

108-88-3 톨루엔

1A88

해당 해당 순물질 또는 혼합물에 대한 안전보건규제현황을 기재함

· Korean Existing Chemical Inventory		
1330-20-7	크실렌	KE-35427
108-88-3	톨루엔	KE-33936
2530-85-0	3-trimethoxysilylpropyl methacrylate	KE-23175
2440-22-4	2-(2-Hydroxy-5-methylphenyl)benzotriazole	KE-02741
150-76-5	mequinol	KE-23353
85-68-7	부틸벤질 프탈레이트	KE-02200
7732-18-5	Deionized Water, Reagent Grade A.C.S.	KE-35400

· 화학물질관리법

· 사고대비물질

108-88-3 톨루엔

· 금지물질

어떠한내용물도 목록화 되어있지 않다

· 제한물질

어떠한내용물도 목록화 되어있지 않다

· 유독물질

1330-20-7 크실렌

108-88-3 톨루엔

(10 쪽에 계속)

물질안전보건자료 GHS에 따라 라다

기압점: 2019.07.01

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제품명: Shur Mount Xylene Based

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85-68-7	부틸벤질 프탈레이트
· 허가물질	
1330-20-7	크실렌
108-88-3	톨루엔
85-68-7	부틸벤질 프탈레이트

- **위험물 안전관리법 (위험물 및 지정수량) 제 4: 200 리터**
- **라벨과 MSD 작성 요소**
본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.
- **그림문자**



- **신호어 위험**
- **상표상에 명확히 위험성이 표시된 성분:**

크실렌
톨루엔
부틸벤질 프탈레이트
유해 ~~유해~~ ~~유해~~ ~~유해~~ 문구
고인화성 액체 및 증기
피부에 자극을 일으킴
태아 또는 생식능력에 손상을 일으킬 수 있음
졸음 또는 현기증을 일으킬 수 있음
장기간 또는 반복노출 되면 신체 중에 손상을 일으킬 수 있음
삼켜서 기도로 유입되면 치명적일 수 있음
장기적인 영향에 의해 수생생물에게 유해함

- **예방 조치 문구 문구**
삼켰을 시: 즉시 독성물질센터/병원 연락 필요.
(라벨 참조) 처치를 하시오.
토하게 하지 마시오.
피부(또는 머리카락)에 묻으면 오염된 모든 의복은 벗으시오. 피부를 물로 씻으시오/샤워하시오.
오염된 의복은 벗고 다시 사용 전 세척하시오.
잠금장치가 있는 저장장소에 저장하시오.
현지/지역/국가/국제 규정에 따라서 내용물/용기 노출
- **화학물질 안전성 평가** 화학물질 안전성 평가가 수행되지 않음

16 그 밖의 참고사항

이보고는 우리지식에 대한 오늘 날의 상태에 대하여 평가하고 있다, 하지만 이보고서는 생산특성에 관한 보증은 기술하지 않았으며 계약적인 법률 관계에 기반을 두고 있지 않다

최초 ~~최초~~ ~~작성~~ 일자: 2019.07.01
개정 ~~개정~~ ~~사항~~ ~~내~~ 최종 ~~개정~~ 일자: 1 / 2019.07.01

- **약어와 두문자어:**
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
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)

(11 쪽에 계속)

물질안전보건자료

GHS에 따라라따

기압점: 2019.07.01

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LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

KR

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 01.07.2019

Revisión: 01.07.2019

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

· 1.1 Identificador del producto

· **Nombre comercial:** Shur Mount Xylene Based

· **Número del artículo:** 17991-01, 17991-06

· 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**



GHS02 llama

Flam. Liq. 2 H225 Líquido y vapores muy inflamables.



GHS08 peligro para la salud

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

STOT RE 2 H373 Puede provocar daños en los órganos tras exposiciones prolongadas o repetidas.

Asp. Tox. 1 H304 Puede ser mortal en caso de ingestión y penetración en las vías respiratorias.



GHS07

Skin Irrit. 2 H315 Provoca irritación cutánea.

STOT SE 3 H336 Puede provocar somnolencia o vértigo.

Aquatic Chronic 3 H412 Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

(se continua en página 2)

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· **2.2 Elementos de la etiqueta**

· **Etiquetado con arreglo al Reglamento (CE) n° 1272/2008**

El producto se ha clasificado y etiquetado de conformidad con el reglamento CLP.

· **Pictogramas de peligro**



GHS02 GHS07 GHS08

· **Palabra de advertencia Peligro**

· **Componentes peligrosos a indicar en el etiquetaje:**

tolueno

bencil butilftalato

· **Indicaciones de peligro**

H225 Líquido y vapores muy inflamables.

H315 Provoca irritación cutánea.

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

H336 Puede provocar somnolencia o vértigo.

H373 Puede provocar daños en los órganos tras exposiciones prolongadas o repetidas.

H304 Puede ser mortal en caso de ingestión y penetración en las vías respiratorias.

H412 Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

· **Consejos de prudencia**

P301+P310 **EN CASO DE INGESTIÓN: Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA/ médico.**

P321 Se necesita un tratamiento específico (ver en esta etiqueta).

P331 NO provocar el vómito.

P303+P361+P353 **EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente todas las prendas contaminadas. Aclararse la piel con agua/ducharse.**

P362+P364 Quitar las prendas contaminadas y lavarlas antes de volver a usarlas.

P405 Guardar bajo llave.

P501 Eliminar el contenido o el recipiente conforme a la reglamentación local/regional/nacional/ internacional.

· **Datos adicionales:**

Contiene 2-(2-Hydroxy-5-methylphenyl)benzotriazole, mequinol. Puede provocar una reacción alérgica.

· **2.3 Otros peligros**

· **Resultados de la valoración PBT y mPmB**

· **PBT:** No aplicable.

· **mPmB:** No aplicable.

SECCIÓN 3: Composición/información sobre los componentes

· **3.2 Caracterización química: Mezclas**

· **Descripción:** Mezcla formada por las sustancias especificadas a continuación con adiciones no peligrosas.

· **Componentes peligrosos:**

CAS: 1330-20-7 EINECS: 215-535-7	xileno Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	>25-≤50%
CAS: 108-88-3 EINECS: 203-625-9	tolueno Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	>25-≤50%

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CAS: 2440-22-4 EINECS: 219-470-5	2-(2-Hydroxy-5-methylphenyl)benzotriazole` ⚠ Skin Sens. 1B, H317; Aquatic Chronic 4, H413	≤2,5%
CAS: 150-76-5 EINECS: 205-769-8	mequinol ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317	≤2,5%
CAS: 85-68-7 EINECS: 201-622-7	bencil butilftalato ⚠ Repr. 1B, H360Df; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤2,5%

· SVHC

85-68-7 | bencil butilftalato

· **Indicaciones adicionales:** El texto de los posibles riesgos aquí indicados se puede consultar en el capítulo 16.

SECCIÓN 4: Primeros auxilios

· 4.1 Descripción de los primeros auxilios

· Instrucciones generales:

Los síntomas de intoxicación pueden presentarse después de muchas horas, por lo que se requiere una supervisión médica durante un mínimo de 48 horas después del accidente.

· En caso de inhalación del producto:

Suministrar aire fresco; eventualmente hacer respiración artificial, calor. Si los trastornos persisten, consultar al médico.

Las personas desmayadas deben tenderse y transportarse de lado con la suficiente estabilidad.

· En caso de contacto con la piel: Lavar inmediatamente con agua y jabón y enjuagar bien.

· En caso de con los ojos: Limpiar los ojos abiertos durante varios minutos con agua corriente.

· En caso de ingestión: Consultar 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.

SECCIÓN 5: Medidas de lucha contra incendios

· 5.1 Medios de extinción

· **Sustancias extintoras apropiadas:** CO₂, arena, polvo extintor. No utilizar agua.

· **Sustancias extintoras inapropiadas por razones de seguridad:** Agua a pleno chorro

· 5.2 Peligros específicos derivados de la sustancia o la mezcla No existen más datos relevantes disponibles.

· 5.3 Recomendaciones para el personal de lucha contra incendios

· **Equipo especial de protección:** Colocarse la protección respiratoria.

SECCIÓN 6: Medidas en caso de vertido accidental

· 6.1 Precauciones personales, equipo de protección y procedimientos de emergencia

Llevar puesto equipo de protección. Mantener alejadas las personas sin protección.

· 6.2 Precauciones relativas al medio ambiente:

Al penetrar en las aguas o en el alcantarillado, avisar a las autoridades pertinentes.

Evitar que penetre en la canalización /aguas de superficie /agua subterráneas.

· 6.3 Métodos y material de contención y de limpieza:

Quitar con material absorbente (arena, kieselgur, aglutinante de ácidos, aglutinante universal, aserrín).

Desechar el material contaminado como vertido según ítem 13.

Asegurar suficiente ventilación.

No enjuagar con agua ni productos de limpieza acuosos.

· 6.4 Referencia a otras secciones

Ver capítulo 7 para mayor información sobre una manipulación segura.

(se continua en página 4)

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Ver capítulo 8 para mayor información sobre el equipo personal de protección.
Para mayor información sobre cómo desechar el producto, ver capítulo 13.

SECCIÓN 7: Manipulación y almacenamiento

· 7.1 Precauciones para una manipulación segura

Asegurar suficiente ventilación /aspiración en el puesto de trabajo.

Abrir y manejar el recipiente con cuidado.

Evitar la formación de aerosoles.

· Prevención de incendios y explosiones:

Mantener alejadas las fuentes de encendido. No fumar.

Proteger del calor.

Tomar medidas contra las cargas electrostáticas.

Tener preparados los aparatos respiratorios.

· 7.2 Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades

· Almacenamiento:

· **Exigencias con respecto al almacén y los recipientes:** Almacenar en un lugar fresco.

· **Normas en caso de un almacenamiento conjunto:** No es necesario.

· Indicaciones adicionales sobre las condiciones de almacenamiento:

Mantener el recipiente cerrado herméticamente.

Almacenarlo en envases bien cerrados en un lugar fresco y seco.

Proteger del calor y de la luz directa del sol.

· 7.3 Usos específicos finales No existen más datos relevantes disponibles.

SECCIÓN 8: Controles de exposición/protección individual

· 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:

1330-20-7 xileno

LEP	Valor de corta duración: 442 mg/m ³ , 100 ppm Valor de larga duración: 221 mg/m ³ , 50 ppm vía dérmica, VLB, VLI
-----	--

108-88-3 tolueno

LEP	Valor de corta duración: 384 mg/m ³ , 100 ppm Valor de larga duración: 192 mg/m ³ , 50 ppm vía dérmica, VLB, VLI, r
-----	---

150-76-5 mequinol

LEP	Valor de larga duración: 5 mg/m ³ Sen
-----	---

· Componentes con valores límite biológicos:

1330-20-7 xileno

VLB	1 g/g creatinina Muestra: orina Momento de Muestero: Final de la jornada laboral Indicador Biológico: Ácidos metilhipúricos
-----	--

(se continua en página 5)

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Revisión: 01.07.2019

Nombre comercial: **Shur Mount Xylene Based**

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108-88-3 tolueno

VLB 0,6 g/g creatinina

Muestra: orina

Momento de Muestero: Final de la jornada laboral

Indicador Biológico: o-Cresol

0,05 mg/l

Muestra: sangre

Momento de Muestero: Principio de la última jornada de la semana laboral

Indicador Biológico: Tolueno

0,08 mg/l

Muestra: orine

Momento de Muestero: Final de la jornada laboral

Indicador Biológico: Tolueno

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

· **8.2 Controles de la exposición**

· **Equipo de protección individual:**

· **Medidas generales de protección e higiene:**

Mantener alejado de alimentos, bebidas y alimentos para animales.

Quitarse de inmediato la ropa ensuciada o impregnada.

Lavarse las manos antes de las pausas y al final del trabajo.

Guardar la ropa protectora por separado.

Evitar el contacto con la piel.

Evitar el contacto con los ojos y la piel.

· **Protección respiratoria:**

Si la exposición va a ser breve o de poca intensidad, colocarse una máscara respiratoria. Para una exposición más intensa o de mayor duración, usar un aparato de respiración autónomo.

· **Protección de manos:**



Guantes de protección

El material del guante deberá ser impermeable y resistente al producto / sustancia / preparado.

Ante la ausencia de tests específicos, no se puede recomendar ningún material específico para guantes de protección contra el producto / preparado / mezcla de sustancias químicas.

Selección del material de los guantes en función de los tiempos de rotura, grado de permeabilidad y degradación.

· **Material de los guantes**

La elección del guante adecuado no depende únicamente del material, sino también de otras características de calidad, que pueden variar de un fabricante a otro. Teniendo en cuenta que el producto está fabricado a partir de diferentes materiales, su calidad no puede ser evaluada de antemano, de modo que los guantes deberán ser controlados antes de su utilización.

· **Tiempo de penetración del material de los guantes**

El tiempo de resistencia a la penetración exacto deberá ser pedido al fabricante de los guantes. Este tiempo debe ser respetado.

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· **Protección de ojos:**

Gafas de protección herméticas

SECCIÓN 9: Propiedades físicas y químicas

· **9.1 Información sobre propiedades físicas y químicas básicas**· **Datos generales**· **Aspecto:**Forma: *Líquido*Color: *Claro*· **Olor:** *Característico*· **Umbral olfativo:** *No determinado.*· **valor pH:** *No determinado.*· **Cambio de estado**Punto de fusión/punto de congelación: *Indeterminado.*Punto inicial de ebullición e intervalo de ebullición: *Indeterminado.*· **Punto de inflamación:** *4 °C*· **Inflamabilidad (sólido, gas):** *No aplicable.*· **Temperatura de ignición:** *500 °C*· **Temperatura de descomposición:** *No determinado.*· **Temperatura de auto-inflamación:** *El producto no es autoinflamable.*· **Propiedades explosivas:** *El producto no es explosivo; sin embargo, pueden formarse mezclas explosivas de vapor / aire.*· **Límites de explosión:**Inferior: *1,1 Vol %*Superior: *7 Vol %*· **Presión de vapor a 20 °C:** *29 hPa*· **Densidad:** *Indeterminado.*· **Densidad relativa** *No determinado.*· **Densidad de vapor** *No determinado.*· **Tasa de evaporación:** *No determinado.*· **Solubilidad en / miscibilidad con agua:** *Poco o no mezclable.*· **Coeficiente de reparto: n-octanol/agua:** *No determinado.*· **Viscosidad:**Dinámica: *No determinado.*Cinemática: *No determinado.*· **Concentración del disolvente:**Disolventes orgánicos: *66,0 %*Agua: *30,4 %*VOC (CE) *66,00 %*

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- | | |
|--------------------------------------|--|
| Contenido de cuerpos sólidos: | 0,9 % |
| 9.2 Otros datos | No existen más datos relevantes disponibles. |

SECCIÓN 10: Estabilidad y reactividad

- **10.1 Reactividad** No existen más datos relevantes disponibles.
- **10.2 Estabilidad química**
- **Descomposición térmica / condiciones que deben evitarse:** No se descompone al emplearse adecuadamente.
- **10.3 Posibilidad de reacciones peligrosas** 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** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

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

1330-20-7 xileno

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

108-88-3 tolueno

Oral	LD50	5.000 mg/kg (rat)
Dermal	LD50	12.124 mg/kg (rabbit)
Inhalatorio	LC50/4 h	5.320 mg/l (mouse)

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Oral	LD50	2.330 mg/kg (rat)
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- **Efecto estimulante primario:**
- **Corrosión o irritación cutáneas**
Provoca irritación cutánea.
- **Lesiones o irritación ocular graves**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Sensibilización respiratoria o cutánea**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Efectos CMR (carcinogenicidad, mutagenicidad y toxicidad para la reproducción)**
- **Mutagenicidad en células germinales**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Carcinogenicidad** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad para la reproducción**
Puede dañar al feto. Se sospecha que perjudica a la fertilidad.
- **Toxicidad específica en determinados órganos (STOT) – exposición única**
Puede provocar somnolencia o vértigo.
- **Toxicidad específica en determinados órganos (STOT) – exposición repetida**
Puede provocar daños en los órganos tras exposiciones prolongadas o repetidas.
- **Peligro de aspiración**
Puede ser mortal en caso de ingestión y penetración en las vías respiratorias.

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SECCIÓN 12: Información ecológica

- **12.1 Toxicidad**
- **Toxicidad acuática:** No existen más datos relevantes disponibles.
- **12.2 Persistencia y degradabilidad** No existen más datos relevantes disponibles.
- **12.3 Potencial de bioacumulación** No existen más datos relevantes disponibles.
- **12.4 Movilidad en el suelo** No existen más datos relevantes disponibles.
- **Efectos ecotóxicos:**
- **Observación:** Nocivo para los peces.
- **Indicaciones medioambientales adicionales:**
- **Indicaciones generales:**
 Nivel de riesgo para el agua 2 (autoclasificación): peligroso para el agua
 No dejar que se infiltre en aguas subterráneas, aguas superficiales o en alcantarillados.
 Una cantidad mínima vertida en el subsuelo ya representa un peligro para el agua potable.
 nocivo para organismos acuáticos
- **12.5 Resultados de la valoración PBT y mPmB**
- **PBT:** No aplicable.
- **mPmB:** No aplicable.
- **12.6 Otros efectos adversos** No existen más datos relevantes disponibles.

SECCIÓN 13: Consideraciones relativas a la eliminación

- **13.1 Métodos para el tratamiento de residuos**
- **Recomendación:** No debe desecharse con la basura doméstica. No debe llegar al alcantarillado.
- **Embalajes sin limpiar:**
- **Recomendación:** Eliminar conforme a las disposiciones oficiales.

SECCIÓN 14: Información relativa al transporte

- | | |
|---|--------------------------------|
| · 14.1 Número ONU | |
| · ADR, IMDG, IATA | UN1170 |
| · 14.2 Designación oficial de transporte de las Naciones Unidas | |
| · ADR | 1170 ETANOL (ALCOHOL ETÍLICO) |
| · IMDG | ETHANOL (ETHYL ALCOHOL) |
| · IATA | ETHANOL |
| · 14.3 Clase(s) de peligro para el transporte | |
| · ADR, IMDG, IATA | |
|  | |
| · Clase | 3 Líquidos inflamables |
| · Etiqueta | 3 |
| · 14.4 Grupo de embalaje | |
| · ADR, IMDG, IATA | II |
| · 14.5 Peligros para el medio ambiente: | No aplicable. |
| · 14.6 Precauciones particulares para los usuarios | Atención: Líquidos inflamables |

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· Número Kemler:	33
· Número EMS:	F-E,S-D
· Stowage Category	A

· 14.7 Transporte a granel con arreglo al anexo II del Convenio MARPOL y el Código IBC	No aplicable.
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· **Transporte/datos adicionales:**

· ADR	
· Cantidades limitadas (LQ)	1L
· Cantidades exceptuadas (EQ)	Código: E2 Cantidad neta máxima por envase interior: 30 ml Cantidad neta máxima por embalaje exterior: 500 ml
· Categoría de transporte	2
· Código de restricción del túnel	D/E

· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

· "Reglamentación Modelo" de la UNECE:	UN 1170 ETANOL (ALCOHOL ETÍLICO), 3, II
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SECCIÓN 15: Información reglamentaria

· **15.1 Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla**

- **Directiva 2012/18/UE**
- **Sustancias peligrosas nominadas - ANEXO I** ninguno de los componentes está incluido en una lista
- **Categoría Seveso P5c LÍQUIDOS INFLAMABLES**
- **Cantidad umbral (toneladas) a efectos de aplicación de los requisitos de nivel inferior** 5.000 t
- **Cantidad umbral (toneladas) a efectos de aplicación de los requisitos de nivel superior** 50.000 t

· **LISTA DE SUSTANCIAS SUJETAS A AUTORIZACIÓN (ANEXO XIV)**

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· **REGLAMENTO (CE) n° 1907/2006 ANEXO XVII Restricciones: 3, 30, 48, 51c**

· **Reglamento (UE) No 649/2012**

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· **Disposiciones nacionales:**

· **Demás disposiciones, limitaciones y decretos prohibitivos**

· **Sustancias altamente preocupantes (SVHC) según REACH, artículo 57**

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· **15.2 Evaluación de la seguridad química:** Una evaluación de la seguridad química no se ha llevado a cabo.

SECCIÓN 16: Otra información

Los datos se fundan en el estado actual de nuestros conocimientos, pero no constituyen garantía alguna de cualidades del producto y no generan ninguna relación jurídica contractual.

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· **Frases relevantes**

- H225 *Líquido y vapores muy inflamables.*
- H226 *Líquidos y vapores inflamables.*
- H302 *Nocivo en caso de ingestión.*
- H304 *Puede ser mortal en caso de ingestión y penetración en las vías respiratorias.*
- H312 *Nocivo en contacto con la piel.*
- H315 *Provoca irritación cutánea.*
- H317 *Puede provocar una reacción alérgica en la piel.*
- H319 *Provoca irritación ocular grave.*
- H332 *Nocivo en caso de inhalación.*
- H336 *Puede provocar somnolencia o vértigo.*
- H360Df *Puede dañar al feto. Se sospecha que perjudica a la fertilidad.*
- H361d *Se sospecha que daña al feto.*
- H373 *Puede provocar daños en los órganos tras exposiciones prolongadas o repetidas.*
- H400 *Muy tóxico para los organismos acuáticos.*
- H410 *Muy tóxico para los organismos acuáticos, con efectos nocivos duraderos.*
- H413 *Puede ser nocivo para los organismos acuáticos, con efectos nocivos duraderos.*

· **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
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Líquidos inflamables – Categoría 2
- Flam. Liq. 3: Líquidos inflamables – Categoría 3
- Acute Tox. 4: Toxicidad aguda – Categoría 4
- Skin Irrit. 2: Corrosión o irritación cutáneas – Categoría 2
- Eye Irrit. 2: Lesiones oculares graves o irritación ocular – Categoría 2
- Skin Sens. 1: Sensibilización cutánea – Categoría 1
- Skin Sens. 1B: Sensibilización cutánea – Categoría 1B
- Repr. 1B: Toxicidad para la reproducción – Categoría 1B
- Repr. 2: Toxicidad para la reproducción – Categoría 2
- STOT SE 3: Toxicidad específica en determinados órganos (exposición única) – Categoría 3
- STOT RE 2: Toxicidad específica en determinados órganos (exposiciones repetidas) – Categoría 2
- Asp. Tox. 1: Peligro por aspiración – Categoría 1
- Aquatic Acute 1: Peligroso para el medio ambiente acuático - peligro acuático agudo – Categoría 1
- Aquatic Chronic 1: Peligroso para el medio ambiente acuático - peligro acuático a largo plazo – Categoría 1
- Aquatic Chronic 3: Peligroso para el medio ambiente acuático - peligro acuático a largo plazo – Categoría 3
- Aquatic Chronic 4: Peligroso para el medio ambiente acuático - peligro acuático a largo plazo – Categoría 4