

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2023

Version number 1

Revision: 14.10.2022

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

1.1 Product identifier

Trade name MARITRANS MD

Safety data sheet no.: XXP016836

1.2 Relevant identified uses of the substance or mixture and uses advised against

The product is intended for industrial or professional use.

Application of the substance / the mixture

Construction chemicals

Waterproofing coating

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Manufacturer/Supplier:

MARIS POLYMERS S.M.S.A.

Industrial Area of Inofita, 32 011 Inofita, Greece

Tel. : +30 22620 32918-9

e-mail: marispolymers@saint-gobain.com

Distributor:

Saint-Gobain Construction Products Polska Sp. z o.o.

ul. Okrężna 16, 44-100 Gliwice

Phone: +48 41 35 69 317 (Mon-Fri 9.00-16.00)

e-mail: SDS.pl@saint-gobain.com

1.4 Emergency telephone number:

112 (emergency number), 999 (ambulance), 998 (fire department).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3

H226 Flammable liquid and vapour.



GHS08 health hazard

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.

Eye Irrit. 2

H319 Causes serious eye irritation.

Skin Sens. 1

H317 May cause an allergic skin reaction.

STOT SE 3

H335 May cause respiratory irritation.

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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.

Hazard pictograms



GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

reaction mass of ethylbenzene and m-xylene and p-xylene

1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate homopolymer, isocyanurate type

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

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

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P331 Do NOT induce vomiting.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture consisting of the following components.

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| Dangerous components: | | |
|---|--|------------------|
| EC number: 905-562-9 Reg.nr.: 01-2119488216-32-xxxx | reaction mass of ethylbenzene and m-xylene and p-xylene ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limit: STOT RE 2; H373: C ≥ 10 % | 25-50% |
| CAS: 140921-24-0 ELINCS: 411-700-4 Index number: 616-079-00-5 Reg.nr.: 01-2119890830-32-xxxx | 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate ⚠ Skin Sens. 1, H317 | 10-25% |
| CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-xxxx | 2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226 | 2.5-10% |
| CAS: 53880-05-0 EC number: 931-312-3 Reg.nr.: 01-2119488734-24-xxxx | 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate homopolymer, isocyanurate type ⚠ Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335 | 2.5-10% |
| CAS: 4098-71-9 EINECS: 223-861-6 Index number: 615-008-00-5 Reg.nr.: 01-2119490408-31-xxxx | 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate ⚠ Acute Tox. 3, H331; ⚠ Resp. Sens. 1, H334; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Resp. Sens. 1; H334: C ≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 % | ≥ 0.25- < 0.5% |
| CAS: 540-84-1 EINECS: 208-759-1 Index number: 601-009-00-8 | 2,2,4-trimethylpentane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 | ≥ 0.025- < 0.25% |
| CAS: 108-31-6 EINECS: 203-571-6 Index number: 607-096-00-9 | maleic anhydride ⚠ Resp. Sens. 1, H334; STOT RE 1, H372; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 % | < 0.001% |

SVHC Void

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

Seek immediate medical advice

After inhalation

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

Remove contaminated gloves, clothing, footwear or other items and wash thoroughly before re-use.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. Rinse liquid should be tempered (20-30°C).

Protect unharmed eye.

Seek immediate medical advice.

After swallowing

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

If swallowed or in case of vomiting, danger of entering the lungs.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents CO₂, powder or water spray. Fight larger fires with water spray.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Protective equipment:

Mouth respiratory protective device.

Wear fully protective suit.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid inhalation of vapors.

Mouth respiratory protective device.

Keep away from ignition sources

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Ensure adequate ventilation.

6.2 Environmental precautions:

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

Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb with sawdust or other combustible absorbents.

Collect liquid with absorbent material (sand / kieselguhr). Collect in a closed container.

Dispose of contaminated material as waste according to point 13.

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Open and handle receptacle with care.

Handle with care. Avoid jolting, friction and impact.

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Flammable gas-air mixtures may form in empty receptacles.

Do not spray onto a naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store away from sources of ignition.

Prevent any seepage into the ground.

Provide ventilation for receptacles.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Store in a cool place.

Protect from heat and direct sunlight.

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs

reaction mass of ethylbenzene and m-xylene and p-xylene

| | | |
|------|-------------------------|--|
| Oral | Derived No Effect Level | 12.5 mg/kgxday (consumer systemic long term value) |
|------|-------------------------|--|

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| | | |
|------------|-------------------------|---|
| Dermal | Derived No Effect Level | 212 mg/kgxday (worker systemic long term value) 125 mg/kgxday (consumer systemic long term value) |
| Inhalative | Derived No Effect Level | 221 mg/m ³ (worker systemic long term value) 442 mg/m ³ (worker systemic short term value) 65.3 mg/m ³ (consumer systemic long term value) 260 mg/m ³ (consumer systemic short term value) |

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

| | | |
|------------|-------------------------|---|
| Oral | Derived No Effect Level | 36 mg/kgxday (consumer systemic long term value) |
| Dermal | Derived No Effect Level | 796 mg/kgxday (worker systemic long term value) 320 mg/kgxday (consumer systemic long term value) |
| Inhalative | Derived No Effect Level | 275 mg/m ³ (worker systemic long term value) 33 mg/m ³ (consumer systemic long term value) 550 mg/m ³ (worker local short term value) 33 mg/m ³ (consumer local long term value) |

CAS: 53880-05-0 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate homopolymer, isocyanurate type

| | | |
|------------|-------------------------|---|
| Inhalative | Derived No Effect Level | 0.58 mg/m ³ (worker local short term value) 0.29 mg/m ³ (worker local long term value) |
|------------|-------------------------|---|

CAS: 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

| | | |
|------------|-------------------------|---|
| Inhalative | Derived No Effect Level | 0.0453 mg/m ³ (worker local short term value) 0.0453 mg/m ³ (worker local long term value) |
|------------|-------------------------|---|

PNECs

reaction mass of ethylbenzene and m-xylene and p-xylene

| | |
|-----------------------------------|--|
| Predicted No-Effect Concentration | 0.327 mg/l (sea water rating factor) 0.327 mg/l (fresh water rating factor) |
|-----------------------------------|--|

CAS No. / Designation of material / % / Type / Value / Unit

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

| | |
|------------------------|--|
| IOELV (European Union) | Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin |
| AGW (Germany) | Long-term value: 270 mg/m ³ , 50 ppm 1(I);DFG, EU, Y |
| GV (Denmark) | Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm EH |
| LEP (Spain) | Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm vía dérmica, VLI |
| VL (Italy) | Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Cute |
| OEL (Sweden) | Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm H |

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| | |
|---|---|
| HTP (Finland) | Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 270 mg/m ³ , 50 ppm iho |
| CAS: 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate | |
| AGW (Germany) | Long-term value: 0.046 mg/m ³ , 0.005 ppm 1;=2=(I);DFG, 11, 12, Sa |
| GV (Denmark) | Short-term value: 0.090 mg/m ³ , 0.01 ppm Long-term value: 0.045 mg/m ³ , 0.005 ppm |
| LEP (Spain) | Long-term value: 0.046 mg/m ³ , 0.005 ppm Sen |
| TWA (Italy) | Long-term value: 0.045 mg/m ³ , 0.005 ppm |
| VLE (Portugal) | Long-term value: 0.005 ppm Sensibilização respiratória |
| OEL (Sweden) | Short-term value: 0.046 mg/m ³ , 0.005 ppm Long-term value: 0.018 mg/m ³ , 0.002 ppm M, S |
| HTP (Finland) | Short-term value: 0.035 mg/m ³ NCO |
| CAS: 540-84-1 2,2,4-trimethylpentane | |
| MAK (Germany) | Long-term value: 470 mg/m ³ , 100 ppm |
| LEP (Spain) | Long-term value: 1.420 mg/m ³ , 300 ppm |
| OEL (Sweden) | Short-term value: 1400 mg/m ³ , 300 ppm Long-term value: 900 mg/m ³ , 200 ppm V |
| HTP (Finland) | Short-term value: 1800 mg/m ³ , 380 ppm Long-term value: 1400 mg/m ³ , 300 ppm |
| CAS: 108-31-6 maleic anhydride | |
| AGW (Germany) | Long-term value: 0.081 mg/m ³ , 0.02 ppm 1;=2.5=(I);DFG, Sah, Y, 11 |
| GV (Denmark) | Short-term value: 0.8 mg/m ³ , 0.2 ppm Long-term value: 0.4 mg/m ³ , 0.1 ppm |
| LEP (Spain) | Long-term value: 0.4 mg/m ³ , 0.1 ppm FIV, Sen |
| TWA (Italy) | Long-term value: 0.04 mg/m ³ , 0.01 ppm sen, A4 (i, h) |
| VLE (Portugal) | Long-term value: 0.1 mg/m ³ SC, SR; A4;Sensibilização respiratória |
| OEL (Sweden) | Short-term value: 0.4 mg/m ³ , 0.1 ppm Long-term value: 0.2 mg/m ³ , 0.05 ppm M, S |
| HTP (Finland) | Long-term value: 0.41 mg/m ³ , 0.1 ppm Ceiling limit: 0.81 mg/m ³ , 0.2 ppm |

8.2 Exposure controls

Appropriate engineering controls No further data; see item 7.

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Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Store protective clothing separately.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale dust / smoke / mist.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Respiratory protection required in insufficiently ventilated working areas and during spraying.

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.

Short term filter device:

Combination of charcoal filter and particulate filter A2-P2 (EN 529)

Hand protection

Protective gloves against chemicals (standard EN 374-1)

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

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

Butyl rubber, BR

Fluorocarbon rubber (FKM-Viton)

Recommended thickness of the material: ≥ 0.5 (BR); 0.4 (Viton) mm

Recommendation: contaminated gloves should be disposed of.

Penetration time of glove material

The determined breakthrough times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the breakthrough time, is recommended.

For the mixture of chemicals mentioned below the breakthrough time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).

Eye/face protection

Tightly sealed goggles

Protective eyewear (standard EN 166)

Body protection:

Chemically resistant protective work clothing (EN 14605)

Boots

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

| | |
|---|------------------------------------|
| Colour: | Clear |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | Undetermined. |
| Boiling point or initial boiling point and boiling range | 162 °C |
| Flammability | Not applicable. |
| Lower and upper explosion limit | |
| Lower: | 0.7 Vol % Not determined. |
| Upper: | 7.5 Vol % |
| Flash point: | 30 °C |
| Ignition temperature: | 315 °C |
| Decomposition temperature: | Not determined. |
| pH | Not applicable. |
| Viscosity: | |
| Kinematic viscosity | Not determined. Not determined. |
| dynamic at 20 °C: | >40 mPas |
| Solubility | |
| Water: | Not miscible or difficult to mix |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure at 20 °C: | 5 hPa |
| Density and/or relative density | |
| Density at 20 °C: | 1 g/cm ³ |
| Relative density | Not determined. |
| Bulk density: | Not applicable. |
| Vapour density | Not determined. |

9.2 Other information

| | |
|--|---|
| Appearance: | No further relevant information available. |
| Form: | Viscous |
| Important information on protection of health and environment, and on safety. | |
| Auto-ignition temperature: | Product is not self-igniting. |
| Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| Minimum ignition energy | |
| Solvent separation test: | Not determined |
| Change in condition | |
| Softening point/range | |
| Oxidising properties | Not considered as oxidising. |
| Evaporation rate | Not determined. |

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Information with regard to physical hazard classes

| | |
|--|------|
| Explosives | Void |
| Flammable gases | Void |
| Aerosols | Void |
| Oxidising gases | Void |
| Gases under pressure | Void |
| Flammable liquids Flammable liquid and vapour. | |
| Flammable solids | Void |
| Self-reactive substances and mixtures | Void |
| Pyrophoric liquids | Void |
| Pyrophoric solids | Void |
| Self-heating substances and mixtures | Void |
| Substances and mixtures, which emit flammable gases in contact with water | Void |
| Oxidising liquids | Void |
| Oxidising solids | Void |
| Organic peroxides | Void |
| Corrosive to metals | Void |
| Desensitised explosives | Void |

SECTION 10: Stability and reactivity

10.1 Reactivity Not reactive under normal conditions of use

10.2 Chemical stability

Thermal decomposition / Conditions to be avoided:

Stable at environment temperature.

To avoid thermal decomposition do not overheat.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid Avoid heat, sparkles, naked flame or other sources of ignition.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

| Components | Type | Value | Species |
|------------|----------|---------------------------|---------|
| Dermal | LD50 | 3,508 mg/kg (Calculation) | |
| Inhalative | LC50/4 h | 33.3 mg/l (Calculation) | |

reaction mass of ethylbenzene and m-xylene and p-xylene

| | | |
|--------|------|------------------------|
| Oral | LD50 | >3,523 mg/kg (Rat) |
| Dermal | LD50 | >12,126 mg/kg (Rabbit) |

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| | | |
|---|----------|--------------------|
| Inhalative | LC50/4 h | >27 mg/l (Rat) |
| CAS: 140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate | | |
| Oral | LD50 | >2,000 mg/kg (Rat) |
| CAS: 108-65-6 2-methoxy-1-methylethyl acetate | | |
| Oral | LD50 | >6,000 mg/kg (Rat) |
| Dermal | LD50 | >2,000 mg/kg (Rat) |
| CAS: 53880-05-0 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate homopolymer, isocyanurate type | | |
| Oral | LD50 | 14,000 mg/kg (Rat) |
| Inhalative | LC50/4 h | >5 mg/l (Rat) |
| CAS: 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate | | |
| Oral | LD50 | 4,814 mg/kg (Rat) |
| Dermal | LD50 | 7,000 mg/kg (Rat) |
| Inhalative | LC50/4 h | >31 mg/l (Rat) |

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

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 Based on available data, the classification criteria are not met.

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

| Type of test / Effective concentration / Method / Assessment | |
|--|---|
| reaction mass of ethylbenzene and m-xylene and p-xylene | |
| LC50/96h | >2.6 mg/l (Fish) |
| EC50/24h | 96 mg/l (Activated sludge) |
| EC50/72h | 4.6-4.9 mg/l (Algae) |
| NOEC (21d) | 1.57 mg/l (Daphnia magna) |
| CAS: 108-65-6 2-methoxy-1-methylethyl acetate | |
| LC50/96h | 161 mg/l (Pimephales promelas (Minnow)) |
| | 140 mg/l (Fish) |
| EC50/48h | >500 mg/l (Daphnia magna) |

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CAS: 53880-05-0 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate homopolymer, isocyanurate type

EC50/48h | 3.36 mg/l (Daphnia magna)

EC50/72h | 3.1 mg/l (Algae)

CAS: 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

LC50/96h | 208 mg/l (Fish)

EC50/72h | 4.8 mg/l (Daphnia magna)

70 mg/l (Algae)

12.2 Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Components:

reaction mass of ethylbenzene and m-xylene and p-xylene

DT50-value (Degradation Half Time) | 2 day

12.3 Bioaccumulative potential

CAS: 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

EBAB | 4.7 log Pow (Bioaccumulation)

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Remark: Harmful to fish

Additional ecological information:

General notes:

The product contains materials that are harmful to the environment.

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

Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Dispose of the product in accordance with national and local regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 04 09* | waste adhesives and sealants containing organic solvents or other hazardous substances

HP3 | Flammable

HP4 | Irritant - skin irritation and eye damage

HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP6 | Acute Toxicity

HP13 | Sensitising

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HP14 Ecotoxic

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number
ADR, IMDG, IATA

UN1866

14.2 UN proper shipping name
ADR
IMDG, IATA

1866 RESIN SOLUTION
RESIN SOLUTION

14.3 Transport hazard class(es)

ADR



Class
Label

3 (F1) Flammable liquids.
3

IMDG, IATA



Class
Label

3 Flammable liquids.
3

14.4 Packing group
ADR, IMDG, IATA

III

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user
Hazard identification number (Kemler code): 30
EMS Number:
Stowage Category

Warning: Flammable liquids.
F-E,S-E
A

14.7 Maritime transport in bulk according to
IMO instruments

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ)
Excepted quantities (EQ)

5L
Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

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| | |
|---------------------------------|--|
| Transport category | 3 |
| Tunnel restriction code | D/E |
| IMDG | |
| Limited quantities (LQ) | 5L |
| Excepted quantities (EQ) | Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| UN "Model Regulation": | UN 1866 RESIN SOLUTION, 3, III |

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)
Regulation (EC) No 1272/2008 (CLP)
Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)
Labelling according to Regulation (EC) No 1272/2008 cf. section 2

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

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 74

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

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.

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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.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to organs through prolonged or repeated exposure.
- 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.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH204 Contains isocyanates. May produce an allergic reaction.

Classification according to Regulation (EC) No 1272/2008

| | |
|---|--|
| Flammable liquids | Bridging principles |
| Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard | The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. |
| Aspiration hazard | Expert judgement |

Department issuing SDS: SUSTCHEM S.A

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Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
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)
DNEL: Derived No-Effect Level (REACH)

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PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern (REACH regulation)
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
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.

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