

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 3 Jan 2024

Print date: 3 Jan 2024

Version: 2

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

1.1. Product identifier

Trade name/designation:

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Article No.:

400445XXXXE1XXX

UFI:

A5UE-4Q65-7Q66-CTCM

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

Use of the substance/mixture:

Beschichtungen

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Euroteam Bauchemie GmbH

An der Mühle 1
15345 Altlandsberg
Germany

Telephone: +49 (0) 33438 14790

Telefax: +49 (0) 33438 147929

E-mail: info@euroteam-bauchemie.de

Website: www.euroteam-bauchemie.de

E-mail (competent person): info@euroteam-bauchemie.de

1.4. Emergency telephone number

Labor, Montag - Donnerstag 7:00 - 15:00; Freitag 7:00 - 12:00 +49 (0) 33438 1479 25 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|--|--------------------------|
| flammable liquids (<i>Flam. Liq. 3</i>) | H226: Flammable liquid and vapour. | On basis of test data. |
| Respiratory or skin sensitisation (<i>Skin Sens. 1</i>) | H317: May cause an allergic skin reaction. | Calculation method. |
| Acute toxicity (inhalative) (<i>Acute Tox. 4</i>) | H332: Harmful if inhaled. | Calculation method. |
| Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>) | H411: Toxic to aquatic life with long lasting effects. | Calculation method. |

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark



GHS09
Environment

Signal word: Warning

Hazard components for labelling:

aliphatic polyisocyanate; hydrocarbons, C9 , aromatics; Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer; 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate; 2-methoxy-1-methylethyl acetate; cyclohexanone; 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate; dibutyltin dilaurate

Hazard statements for physical hazards

| | |
|------|------------------------------|
| H226 | Flammable liquid and vapour. |
|------|------------------------------|

Hazard statements for health hazards

| | |
|------|--------------------------------------|
| H317 | May cause an allergic skin reaction. |
|------|--------------------------------------|

| | |
|------|---------------------|
| H332 | Harmful if inhaled. |
|------|---------------------|

Hazard statements for environmental hazards

| | |
|------|--|
| H411 | Toxic to aquatic life with long lasting effects. |
|------|--|

Supplemental hazard information

| | |
|--------|---|
| EUH204 | Contains isocyanates. May produce an allergic reaction. |
|--------|---|

Precautionary statements Prevention

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

| | |
|------|---|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
|------|---|

| | |
|------|---|
| P271 | Use only outdoors or in a well-ventilated area. |
|------|---|

| | |
|------|-----------------------------------|
| P273 | Avoid release to the environment. |
|------|-----------------------------------|

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

Precautionary statements Response

| | |
|--------------------|--|
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
|--------------------|--|

| | |
|-------------|--|
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
|-------------|--|

| | |
|------|---|
| P312 | Call a POISON CENTER/doctor/... if you feel unwell. |
|------|---|

| | |
|-------------|--|
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
|-------------|--|

| | |
|-------------|--|
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |
|-------------|--|

| | |
|------|-------------------|
| P391 | Collect spillage. |
|------|-------------------|

Precautionary statements Disposal

| | |
|------|--|
| P501 | Dispose of contents/container to Entsorgung. |
|------|--|

2.3. Other hazards

Adverse environmental effects:

This substance/mixture does not contain components in concentrations of 0.1% or higher that are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB). The substance/mixture does not contain any constituents that are required under REACH Article 57(f) or the delegated Commission Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 have endocrine disrupting properties in quantities equal to or greater than 0,1 %.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

| Product identifiers | Substance name Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration |
|---|---|----------------------------|
| CAS No.: 426822-87-9 REACH No.: 01-2119475791-29-0015 | aliphatic polyisocyanate Skin Sens. 1 (H317) Warning | 14 - < 25 weight-% |
| CAS No.: 64742-95-6 EC No.: 918-668-5 Index No.: 649-356-00-4 REACH No.: 01-2119455851-35 | hydrocarbons, C9 , aromatics Aquatic Chronic 2 (H411), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), STOT SE 3 (H336), Skin Irrit. 2 (H315) Danger | 7 - ≤ 12 weight-% |
| CAS No.: 140921-24-0 EC No.: 411-700-4 Index No.: 616-079-00-5 REACH No.: 01-0000015906-63-XXXX | 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate Skin Sens. 1 (H317) Warning | 4 - ≤ 7.238 weight-% |
| CAS No.: 108-65-6 EC No.: 203-603-9 REACH No.: 01-2119475791-29-0015 | 2-methoxy-1-methylethyl acetate Flam. Liq. 3 (H226), STOT SE 3 (H336) Warning | 3 - ≤ 6.2 weight-% |
| CAS No.: 53880-05-0 EC No.: 500-125-5 REACH No.: 01-2119488734-24-0002 | Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer STOT SE 3 (H335), Skin Sens. 1B (H317) Warning | 2 - ≤ 4.9 weight-% |
| CAS No.: 1308-38-9 EC No.: 215-160-9 REACH No.: 01-2119433951-39-XXXX | chromium (III) oxide Substance with a community workplace exposure limit. | 0 - ≤ 0.499995 weight-% |
| CAS No.: 108-94-1 EC No.: 203-631-1 REACH No.: 01-2119453616-35-XXXX | cyclohexanone Acute Tox. 4 (H302, H312, H332), Eye Dam. 1 (H318), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315) Danger | 0 - < 0.18 weight-% |
| CAS No.: 4098-71-9 EC No.: 223-861-6 | 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate Acute Tox. 1 (H330), Aquatic Chronic 2 (H411), Eye Irrit. 2 (H319), Resp. Sens. 1 (H334), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Danger Specific concentration limit (SCL) Resp. Sens. 1; H334: C ≥ 0.5% Skin Sens. 1; H317: C ≥ 0.5% | 0 - < 0.17 weight-% |
| CAS No.: 77-58-7 EC No.: 201-039-8 REACH No.: 01-2119496068-27 | dibutyltin dilaurate Aquatic Chronic 1 (H410), Eye Irrit. 2 (H319), Muta. 2 (H341), Repr. 1A (H360FD), STOT RE 1 (H372), STOT SE 1 (H370), Skin Sens. 1 (H317) Danger | 0 - ≤ 0.06 weight-% |

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

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Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention.

In case of skin contact:

Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap.

After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

4.2. Most important symptoms and effects, both acute and delayed

Allergic reactions

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam,, Dry extinguishing powder,

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Carbon dioxide is generated with water or moisture.

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation as well as local exhaustion at critical locations. Avoid contact with skin, eyes and clothes. Do not breathe the mist/vapours/spray.

Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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Other information:

Take action to prevent static discharges.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Provide adequate ventilation as well as local exhaustation at critical locations. Avoid contact with skin, eyes and clothes. Do not breathe mist/vapours/spray. Vapours can form explosive mixtures with air. Take action to prevent static discharges. Keep away from sources of ignition - No smoking.

Environmental precautions:

Do not allow to enter into soil/subsoil.

Advices on general occupational hygiene

Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep/Store only in original container. Provide for retaining containers, e.g. floor pan without outflow.

Hints on storage assembly:

Do not store together with: Food and feedingstuffs

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

GISCODE:

PU 35

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark |
|--------------------------------------|--|--|
| DFG (DE) from 1 Jul 2019 | Albawhite CAS No.: 7727-43-7 EC No.: 231-784-4 | ① 0.3 mg/m ³ ② 2.4 mg/m ³ ⑤ (alveolengängige Fraktion) |
| DFG (DE) | Albawhite CAS No.: 7727-43-7 EC No.: 231-784-4 | ① 4 mg/m ³ ⑤ (einatembare Fraktion) |
| TRGS 900 (DE) | 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | ① 50 ppm (270 mg/m ³) ② 50 ppm (270 mg/m ³) ⑤ DFG, EU, Y |

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| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark |
|--------------------------------------|---|--|
| IOELV (EU) | 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | ① 50 ppm (275 mg/m ³) ② 100 ppm (550 mg/m ³) ⑤ (may be absorbed through the skin) |
| IOELV (EU) | chromium (III) oxide CAS No.: 1308-38-9 EC No.: 215-160-9 | ① 2 mg/m ³ ⑤ (metal and compounds, inorganic, insoluble) |
| TRGS 900 (DE) from 23 Jun 2022 | chromium (III) oxide CAS No.: 1308-38-9 EC No.: 215-160-9 | ① 2 mg/m ³ ② 2 mg/m ³ ⑤ (berechnet als Cr, einatembare Fraktion) EU,10 |
| TRGS 900 (DE) | cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | ① 20 ppm (80 mg/m ³) ② 20 ppm (80 mg/m ³) ⑤ (kann über die Haut aufgenommen werden) AGS, EU, H, Y |
| IOELV (EU) | cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | ① 10 ppm (40.8 mg/m ³) ② 20 ppm (81.6 mg/m ³) ⑤ (may be absorbed through the skin) |
| TRGS 900 (DE) | 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9 EC No.: 223-861-6 | ① 0.005 ppm (0.046 mg/m ³) ② 0.005 ppm (0.046 mg/m ³) ③ 0.01 ppm (0.092 mg/m ³) ⑤ (Aerosol und Dampf) DFG, 11, 12, Sa |
| TRGS 900 (DE) from 23 Jun 2022 | dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | ① 0.002 ppm (0.009 mg/m ³) ② 0.002 ppm (0.009 mg/m ³) ⑤ H, 10, 11, AGS |
| TRGS 900 (DE) | Hydrocarbons, TRGS 900 | ① 50 mg/m ³ ⑤ Mass fraction (wt %): 11.79199 |

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

| Substance name | DNEL value | ① DNEL type ② Exposure route |
|--|-----------------------|---|
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 | 150 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 | 32 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 | 25 mg/kg bw/ day | ① DNEL worker ② Long-term - dermal, systemic effects |
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 | 11 mg/kg bw/ day | ① DNEL Consumer ② Long-term - dermal, systemic effects |
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 | 11 mg/kg bw/ day | ① DNEL worker ② Long-term - oral, systemic effects |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 275 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |

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| Substance name | DNEL value | ① DNEL type ② Exposure route |
|---|------------------------|---|
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 33 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 550 mg/m ³ | ① DNEL worker ② Acute - inhalation, local effects |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 796 mg/kg bw/ day | ① DNEL worker ② Long-term - dermal, systemic effects |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 320 mg/kg bw/ day | ① DNEL Consumer ② Long-term - dermal, systemic effects |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 36 mg/kg bw/ day | ① DNEL worker ② Long-term - oral, systemic effects |
| Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer CAS No.: 53880-05-0 EC No.: 500-125-5 | 0.29 mg/m ³ | ① DNEL worker ② Long-term - inhalation, local effects |
| Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer CAS No.: 53880-05-0 EC No.: 500-125-5 | 0.58 mg/m ³ | ① DNEL worker ② Acute - inhalation, local effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 100 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 20 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 100 mg/m ³ | ① DNEL worker ② Acute - inhalation, systemic effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 50 mg/m ³ | ① DNEL Consumer ② Acute - inhalation, systemic effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 100 mg/m ³ | ① DNEL worker ② Long-term - inhalation, local effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 20 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, local effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 80 mg/m ³ | ① DNEL worker ② Acute - inhalation, local effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 50 mg/m ³ | ① DNEL Consumer ② Acute - inhalation, local effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 10 mg/kg bw/ day | ① DNEL worker ② Long-term - dermal, systemic effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 20 mg/kg bw/ day | ① DNEL Consumer ② Long-term - dermal, systemic effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 100 mg/kg bw/ day | ① DNEL worker ② Acute - dermal, systemic effects |

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| Substance name | DNEL value | ① DNEL type ② Exposure route |
|--|-------------------------|---|
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 30 mg/kg bw/ day | ① DNEL Consumer ② Acute - dermal, systemic effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 5 mg/kg bw/ day | ① DNEL Consumer ② Long-term - oral, systemic effects |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 10 mg/kg bw/ day | ① DNEL Consumer ② Acute - oral, systemic effects |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0.02 mg/m ³ | ① DNEL worker ② Long-term - inhalation, systemic effects |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0.005 mg/m ³ | ① DNEL Consumer ② Long-term - inhalation, systemic effects |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0.43 mg/kg bw/day | ① DNEL worker ② Long-term - dermal, systemic effects |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0.16 mg/kg bw/day | ① DNEL Consumer ② Long-term - dermal, systemic effects |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0.003 mg/kg bw/day | ① DNEL worker ② Long-term - oral, systemic effects |
| 2-ethylhexyl (6-isocyanatohexyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 0.006 mg/m ³ | ① DNEL worker ② Long-term - inhalation, local effects |
| 2-ethylhexyl (6-isocyanatohexyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 0.011 mg/m ³ | ① DNEL worker ② Acute - inhalation, local effects |

| Substance name | PNEC Value | ① PNEC type |
|--|--------------|-------------------------------|
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 0.635 mg/L | ① PNEC aquatic, freshwater |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 0.064 mg/L | ① PNEC aquatic, marine water |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 100 mg/L | ① PNEC sewage treatment plant |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 3.29 mg/kg | ① PNEC sediment, freshwater |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 0.329 mg/kg | ① PNEC sediment, marine water |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | 0.29 mg/kg | ① PNEC soil |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 0.0329 mg/L | ① PNEC aquatic, freshwater |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 0.00329 mg/L | ① PNEC aquatic, marine water |

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| Substance name | PNEC Value | ① PNEC type |
|---|--------------|--------------------------------------|
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 10 mg/L | ① PNEC sewage treatment plant |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 0.0951 mg/kg | ① PNEC sediment, freshwater |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 0.0143 mg/kg | ① PNEC soil |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | 0.329 mg/L | ① PNEC aquatic, intermittent release |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0 mg/L | ① PNEC aquatic, freshwater |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0 mg/L | ① PNEC aquatic, marine water |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 100 mg/L | ① PNEC sewage treatment plant |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0.05 mg/kg | ① PNEC sediment, freshwater |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0.005 mg/kg | ① PNEC sediment, marine water |
| dibutyltin dilaurate CAS No.: 77-58-7 EC No.: 201-039-8 | 0.0407 mg/kg | ① PNEC soil |
| 2-ethylhexyl (6-isocyanatoheptyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 1 µg/L | ① PNEC aquatic, freshwater |
| 2-ethylhexyl (6-isocyanatoheptyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 0.1 µg/L | ① PNEC aquatic, marine water |
| 2-ethylhexyl (6-isocyanatoheptyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 0.64 mg/L | ① PNEC sewage treatment plant |
| 2-ethylhexyl (6-isocyanatoheptyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 5.82 mg/kg | ① PNEC sediment, freshwater |
| 2-ethylhexyl (6-isocyanatoheptyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 0.582 mg/kg | ① PNEC sediment, marine water |
| 2-ethylhexyl (6-isocyanatoheptyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 1.16 mg/kg | ① PNEC soil |
| 2-ethylhexyl (6-isocyanatoheptyl)- carbamate CAS No.: 26488-60-8 EC No.: 247-735-5 | 10 µg/L | ① PNEC aquatic, intermittent release |

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374. Suitable material: FKM (fluoro rubber): Thickness of the glove material $\geq 0,4$ mm; Butyl caoutchouc (butyl rubber): $\geq 0,5$ mm. In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Check leak tightness/impermeability prior to use. Breakthrough time: min

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Other protection measures:

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.

8.2.3. Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: not determined

Odour: not determined

Safety relevant basis data

| Parameter | Value | at °C | ① Method ② Remark |
|--|-----------------------------|-------|-----------------------------|
| pH | <i>not determined</i> | | |
| Melting point | <i>not determined</i> | | |
| Freezing point | <i>not determined</i> | | |
| Initial boiling point and boiling range | 150 - 185 °C | | |
| Decomposition temperature | <i>not determined</i> | | |
| Flash point | 38 - 50 °C | | |
| Evaporation rate | <i>not applicable</i> | | |
| Auto-ignition temperature | <i>not determined</i> | | |
| Upper/lower flammability or explosive limits | <i>not determined</i> | | |
| Vapour pressure | <i>not determined</i> | | |
| Vapour density | <i>not determined</i> | | |
| Density | 1.4 - 1.5 g/cm ³ | 23 °C | |
| Relative density | <i>not determined</i> | | |
| Bulk density | <i>not determined</i> | | |
| Water solubility | <i>not applicable</i> | | |
| Partition coefficient: n-octanol/water | <i>not determined</i> | | |
| Dynamic viscosity | 3,000 - 15,000 mPa* s | 23 °C | ① Brookfield Spindel 310rpm |
| Kinematic viscosity | 1,300 - 3,500 | 40 °C | ① berechnet |

9.2. Other information

No data available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour. The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Amines, Alcohols. Carbon dioxide is generated with water or moisture.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Amines, Alcohols, Water

10.6. Hazardous decomposition products

Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Hydrogen cyanide (hydrocyanic acid)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5

LD₅₀ oral: 3,492 mg/kg (Rat) OECD 401

LD₅₀ dermal: >3,160 mg/kg (Rabbit) OECD 402

LC₅₀ Acute inhalation toxicity (vapour): >6.193 mg/L 4 h (Rat) OECD 403

1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate CAS No.: 140921-24-0
EC No.: 411-700-4

LD₅₀ oral: >2,000 mg/kg (Rat)

LD₅₀ dermal: >2,000 mg/kg (Rat)

LC₅₀ Acute inhalation toxicity (vapour): >20 mg/L 4 h (Rat)

2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9

LD₅₀ oral: 6,190 mg/kg (Rat) OECD 401

LD₅₀ dermal: >2,000 mg/kg (Rat) OECD 402

LC₅₀ Acute inhalation toxicity (gas): >2,000 ppmV 3 h (Rat)

Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer CAS No.: 53880-05-0
EC No.: 500-125-5

LD₅₀ oral: >14,000 mg/kg (Rat)

LC₅₀ Acute inhalation toxicity (dust/mist): >5 mg/L 4 h (Rat) OECD 403

cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1

LD₅₀ oral: 1,620 mg/kg (Rat)

LD₅₀ dermal: 1,100 mg/kg (Rat)

LC₅₀ Acute inhalation toxicity (vapour): 11 mg/L 4 h (Rat)

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9 EC No.: 223-861-6

LD₅₀ oral: 4,814 mg/kg (Rat)

LD₅₀ dermal: >7,000 mg/kg (Rat) OECD 402

LC₅₀ Acute inhalation toxicity (gas): 0.031 ppmV 4 h (Rat) OECD 403

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

Harmful if inhaled.

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Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains isocyanates. May produce an allergic 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:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

Additional information:

No data available

11.2. Information on other hazards

Endocrine disrupting properties:

The substance/mixture does not contain any constituents that are required under REACH Article 57(f) or the delegated

Commission Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 have endocrine disrupting properties in quantities equal to or greater than 0,1 %.

SECTION 12: Ecological information

12.1. Toxicity

| |
|--|
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 |
| LC₅₀ : 9.22 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) |
| EC₅₀ : 6.14 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) |
| ErC₅₀ : 2.9 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (Grünalge)) OECD 201 |
| 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate CAS No.: 140921-24-0 EC No.: 411-700-4 |
| LC₅₀ : >316 mg/L 4 d (fish, Danio rerio (zebrafish)) OECD 203 |
| LC₅₀ : 199.2 mg/L 4 d (fish, Danio rerio (previous name: Brachydanio rerio)) Letale Wirkung beim Zebrabaerbling - Brachydanio rerio - LC0 / LC ₅₀ / LC100; 48 - 96 Stunden, Umweltbundesamt Berlin, Stand: Mai 1984 |
| EC₅₀ : 193 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 |
| EC₅₀ : 29 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) |
| EC₅₀ : 193 mg/L 2 d (crustaceans, Daphnia magna) EU Method C.2 (Acute Toxicity for Daphnia) |
| NOEC : 12.5 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201 |
| NOEC : 12.5 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) |
| NOEC : 62.5 mg/L 2 d (crustaceans, Daphnia magna) EU Method C.2 (Acute Toxicity for Daphnia) |
| ErC₅₀ : 43 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201 |
| LOEC : 25 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) |

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| |
|---|
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 |
| LC₅₀ : 100 – 180 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) OECD 203 |
| LC₅₀ : 100 – 180 mg/L 4 d (fish) OECD Prüfrichtlinie 203 |
| LC₅₀ : 100 – 180 mg/L 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test) |
| EC₅₀ : >500 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) |
| EC₅₀ : >1,000 mg/L (fish, Pseudokirchneriella subcapitata (Grünalge)) |
| EC₅₀ : >1,000 mg/L 4 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test) |
| EC₅₀ : >500 mg/L 2 d (crustaceans, Daphnia magna) EU Method C.2 (Acute Toxicity for Daphnia) |
| NOEC : ≥100 mg/L 21 d (crustaceans, Daphnia magna (Big water flea)) OECD 211 |
| NOEC : ≥1,000 mg/L 4 d (Algae/water plant, Pseudokirchneriella subcapitata) |
| NOEC : ≥1,000 mg/L 4 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test) |
| NOEC : 100 mg/L 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test) |
| NOEC : ≥100 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test) |
| ErC₅₀ : >1,000 mg/L 4 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201 |
| LOEC : >1,000 mg/L 4 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer CAS No.: 53880-05-0 EC No.: 500-125-5 |
| LC₅₀ : >1.51 mg/L 4 d (fish, Cyprinus carpio (Common Carp)) |
| EC₅₀ : >3.36 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 |
| ErC₅₀ : >3.1 mg/L 3 d (Algae/water plant, Scenedesmus subspicatus) OECD 201 |
| LC₅₀ : >1.51 mg/L 4 d (fish, Cyprinus carpio (Common Carp)) |
| EC₅₀ : >3.36 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD- Prüfrichtlinie 202 |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 |
| LC₅₀ : 527 – 732 mg/L 4 d (fish, Pimephales promelas (fathead minnow)) OECD 203 |
| LC₅₀ : 527 – 732 mg/L 4 d (fish, Pimephales promelas) |
| LC₅₀ : 527 – 732 mg/L 4 d (fish, Pimephales promelas) |
| EC₅₀ : 100 mg/L 2 d (crustaceans) |
| EC₅₀ : 32.9 mg/L 3 d (Algae/water plant) |
| NOEC : 26.6 mg/L 21 d (crustaceans, Daphnia magna) |
| ErC₅₀ : >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201 |
| 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9 EC No.: 223-861-6 |
| LC₅₀ : 208 mg/L 4 d (fish, Cyprinus carpio (Common Carp)) |
| LC₅₀ : >72 mg/L 4 d (fish, Danio rerio (previous name: Brachydanio rerio)) EU Method C.1 (Acute Toxicity for Fish) |
| LC₅₀ : 4.8 mg/L 3 d (crustaceans, Chaetogammarus marinus (Crustacea, marine)) |
| LC₅₀ : 4 mg/L 4 d (crustaceans, Chaetogammarus marinus (Crustacea, marine)) |
| EC₅₀ : 27 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) |
| EC₅₀ : 70 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) |
| EC₅₀ : >70 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test) |
| EC₅₀ : 27 mg/L 2 d (crustaceans, Daphnia magna) EU Method C.2 (Acute Toxicity for Daphnia) |
| NOEC : 4.4 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test) |
| NOEC : 0.56 mg/L 4 d (crustaceans, Chaetogammarus marinus (Crustacea, marine)) |
| LOEC : 4.4 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) |
| LOEC : 8.8 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test) |

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Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

| |
|--|
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 |
| Biodegradation: Yes, rapidly |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 |
| Biodegradation: Yes, rapidly |
| Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer CAS No.: 53880-05-0 EC No.: 500-125-5 |
| Biodegradation: Yes, slowly |
| Remark: Biodegradation: 0%, 28 d, OECD 301F |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 |
| Biodegradation: Yes, rapidly |
| 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9 EC No.: 223-861-6 |
| Biodegradation: Yes, slowly |

Biodegradation:

Not readily biodegradable (according to OECD criteria)

12.3. Bioaccumulative potential

| |
|--|
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 |
| Log K_{OW}: ≤ 4.73 |
| 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate CAS No.: 140921-24-0 EC No.: 411-700-4 |
| Log K_{OW}: 8 |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 |
| Log K_{OW}: 1.2 |
| Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer CAS No.: 53880-05-0 EC No.: 500-125-5 |
| Log K_{OW}: 14.48 |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 |
| Log K_{OW}: 0.86 |
| 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9 EC No.: 223-861-6 |
| Log K_{OW}: 0.99 |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

| |
|--|
| hydrocarbons, C9 , aromatics CAS No.: 64742-95-6 EC No.: 918-668-5 |
| Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate CAS No.: 140921-24-0 EC No.: 411-700-4 |
| Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 |
| Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl-, homopolymer CAS No.: 53880-05-0 EC No.: 500-125-5 |
| Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| chromium (III) oxide CAS No.: 1308-38-9 EC No.: 215-160-9 |
| Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 |
| Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |

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3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9 EC No.: 223-861-6

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

This substance/mixture does not contain components in concentrations of 0.1% or higher that are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

12.6. Endocrine disrupting properties

The substance/mixture does not contain any constituents that are required under REACH Article 57(f) or the delegated

Commission Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 have endocrine disrupting properties in quantities equal to or greater than 0,1 %.

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

08 01 11 * Waste paint and varnish containing organic solvents or other dangerous substances








*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|---|---|---|--|
| 14.1. UN number or ID number | | | |
| UN 1263 | UN 1263 | UN 1263 | UN 1263 |
| 14.2. UN proper shipping name | | | |
| PAINT | PAINT | PAINT (hydrocarbons, C9 , aromatics) | PAINT |
| 14.3. Transport hazard class(es) | | | |
|  3 |  3 |  3 |  3 |
| 14.4. Packing group | | | |
| III | III | III | III |
| 14.5. Environmental hazards | | | |
|  |  |  MARINE POLLUTANT | No |
| 14.6. Special precautions for user | | | |
| Special Provisions: 163 367 650 Limited quantity (LQ): 5 L Excepted Quantities (EQ): E1 | Special Provisions: 163 367 650 Limited quantity (LQ): 5 L Excepted Quantities (EQ): E1 | Special Provisions: 163 223 367 955 Limited quantity (LQ): 5 L Excepted Quantities (EQ): E1 | Special Provisions: A3 A72 A192 Limited quantity (LQ): Y344 Excepted Quantities (EQ): E1 |

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| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|--|-----------------------------------|-----------------------------|------------------------------------|
| Classification code: F1 | Classification code: F1 | EmS-No.: F-E, S-E | |
| Tunnel restriction code: (E) | | | |

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 17.9 weight-%

15.1.2. National regulations

[DE] National regulations

Water hazard class

WGK:

2 - obviously hazardous to water

Description:

Self-classification according to AwSV (substance).

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

| | |
|------------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| DIN | German Institute for Standardization / German Industrial Standard |
| DNEL | derived no-effect level |
| EC ₅₀ | Effective Concentration 50% |
| EN | European Standard |
| ES | Exposure scenario |
| EWC | European Waste Catalogue |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISO | International Standards Organisation |
| KG | body weight |
| LC ₅₀ | Lethal (fatal) Concentration 50% |
| LD ₅₀ | Lethal (fatal) Dose 50% |
| MAK | Maximum concentration in the workplace air (CH) |
| NFPA | National Fire Protection Association |
| NIOSH | National Institute for Occupational Safety & Health |
| NOEC | No Observed Effect Concentration |
| OECD | Organisation for Economic Cooperation and Development |
| OSHA | Occupational Safety & Health Administration |

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| | |
|-------|---|
| PBT | persistent and bioaccumulative and toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation and Authorization of Chemicals |
| RID | Dangerous goods regulations for transport by rail |
| SCL | Specific concentration limit |
| SU | use category |
| TRGS | Technische Regeln für Gefahrstoffe |
| UN | United Nations |
| VOC | Volatile organic compounds |
| ZNS | central nervous system |

16.3. Key literature references and sources for data

| Substance name | Type | source of supply |
|---|--|--|
| 2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9 | Classification of the substance or mixture; LC ₅₀ ; EC ₅₀ ; NOEC; LOEC | Source: European Chemicals Agency, http://echa.europa.eu/ |
| chromium (III) oxide CAS No.: 1308-38-9 EC No.: 215-160-9 | Classification of the substance or mixture | Source: European Chemicals Agency, http://echa.europa.eu/ |
| 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate CAS No.: 4098-71-9 EC No.: 223-861-6 | Classification of the substance or mixture; LC ₅₀ ; EC ₅₀ ; NOEC; LOEC | Source: European Chemicals Agency, http://echa.europa.eu/ |
| 1,6-hexanediy-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate CAS No.: 140921-24-0 EC No.: 411-700-4 | LC ₅₀ ; EC ₅₀ ; NOEC; LOEC | Source: European Chemicals Agency, http://echa.europa.eu/ |
| cyclohexanone CAS No.: 108-94-1 EC No.: 203-631-1 | LC ₅₀ ; NOEC | Source: European Chemicals Agency, http://echa.europa.eu/ |

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|--|--------------------------|
| flammable liquids (<i>Flam. Liq. 3</i>) | H226: Flammable liquid and vapour. | On basis of test data. |
| Respiratory or skin sensitisation (<i>Skin Sens. 1</i>) | H317: May cause an allergic skin reaction. | Calculation method. |
| Acute toxicity (inhalative) (<i>Acute Tox. 4</i>) | H332: Harmful if inhaled. | Calculation method. |
| Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>) | H411: Toxic to aquatic life with long lasting effects. | Calculation method. |

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

| Hazard statements | |
|-------------------|--|
| 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. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal 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. |

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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Hazard statements

| | |
|--------|---|
| H341 | Suspected of causing genetic defects. |
| H360FD | May damage fertility. May damage the unborn child. |
| H370 | Causes damage to organs. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

16.6. Training advice

No data available

16.7. Additional information

No data available