

# SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) 1907/2006



Product name: 2115 Epoxy Thinner

Creation date: 01.09.2023, Revision: 05.02.2025, Version: 4.0

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

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### 1.1 Product identifier

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**Product name**

2115 Epoxy Thinner

**UFI:**

J9GX-D26E-P60E-6QJT



<https://my.chemius.net/p/F5HDTD/en/pd/en>

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

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**Relevant identified uses**

No information.

**Uses advised against**

No information.

### 1.3 Details of the supplier of the safety data sheet

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**Supplier**

SILCO d.o.o.  
Sentrupert 5a  
3303 Gomilsko, Slovenia  
+386 3 703 3180  
msds@silco.si

### 1.4 Emergency Telephone Number

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**Emergency**

111

**Supplier**

112

## Section 2: Hazards identification

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### 2.1 Classification of the substance or mixture

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

Flam. Liq. 2; H225 Highly flammable liquid and vapour.  
Acute Tox. 4; H302 Harmful if swallowed.  
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.  
Skin Irrit. 2; H315 Causes skin irritation.  
Eye Irrit. 2; H319 Causes serious eye irritation.  
STOT SE 3; H336 May cause drowsiness or dizziness.

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Repr. 2; H361 Suspected of damaging fertility or the unborn child.

STOT SE 2; H371 May cause damage to organs.

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

## 2.2 Label elements

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



**Signal word: DANGER**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H371 May cause damage to organs.

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

P202 Do not handle until all safety precautions have been read and understood.

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

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulation.

**Contains:**

Acetone

Toluene

methyl acetate

methanol

## 2.3 Other hazards

**PBT/vPvB**

No information.

**Endocrine disrupting properties**

The product does not contain substances with the potential for endocrine disorders.

**Additional information**

No information.

## Section 3: Composition/information on ingredients

### 3.1 Substances

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For mixtures see 3.2.

## 3.2 Mixtures

| Name  | CAS<br>EC<br>Index<br>REACH                               | %     | Classification according to<br>Regulation (EC) No 1272/2008<br>(CLP)   | Specific Concentration Limits |
|---|---|-------|--|-------------------------------|
| <b>Acetone</b>  | 67-64-1<br>200-662-2<br>606-001-00-8<br>01-2119471330-49  | 40-50 | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336<br>EUH066  | /                             |
| <b>Toluene</b>  | 108-88-3<br>203-625-9<br>601-021-00-3<br>01-2119471310-51 | 40-50 | Flam. Liq. 2; H225<br>Asp. Tox. 1; H304<br>Skin Irrit. 2; H315<br>STOT SE 3; H336<br>Repr. 2; H361<br>STOT RE 2; H373  | /                             |
| <b>meth<br/>yl<br/>aceta<br/>te</b>                       | 79-20-9<br>201-185-2<br>607-021-00-X                      | 15-20 | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336<br>EUH066  | /                             |
| <b>meth<br/>anol</b>                                      | 67-56-1<br>200-659-6<br>603-001-00-X<br>01-2119433307-44  | 5-10  | Flam. Liq. 2; H225<br>Acute Tox. 3; H301<br>Acute Tox. 3; H311<br>Acute Tox. 3; H331<br>STOT SE 1; H370  | /                             |
| <b>2-<br/>butox<br/>yetha<br/>nol</b>                     | 111-76-2<br>203-905-0<br>603-014-00-0<br>01-2119475108-36 | 0.1-1 | Acute Tox. 4; H302<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Acute Tox. 4; H332  | /                             |
| <b>Xylen<br/>e<br/>(mixt<br/>ure of<br/>isom<br/>ers)</b> | -<br>905-562-9<br>-<br>01-2119555267-33                   | 0.1-1 | Flam. Liq. 3; H226<br>Asp. Tox. 1; H304<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Acute Tox. 4; H332<br>STOT SE 3; H335<br>STOT RE 2; H373 | /                             |

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| Name  | CAS<br>EC<br>Index<br>REACH                               | %     | Classification according to<br>Regulation (EC) No 1272/2008<br>(CLP)  | Specific Concentration Limits |
|---|---|-------|---|-------------------------------|
| 1-<br><b>METH</b><br><b>YL-2-</b><br><b>METH</b><br><b>OXYE</b><br><b>THYL</b><br><b>ACET</b><br><b>ATE</b><br><b>DI 1-</b><br><b>METH</b><br><b>YL-</b><br><b>METH</b><br><b>OXY</b><br><b>ETHY</b><br><b>L</b><br><b>ACET</b><br><b>ATE</b> | 108-65-6<br>203-603-9<br>607-195-00-7<br>01-2119475791-29 | 0.1-1 | Flam. Liq. 3; H226<br>STOT SE 3; H336                                 | /                             |
| <b>METH</b><br><b>YLET</b><br><b>HYL</b><br><b>KETO</b><br><b>NE</b>  | 78-93-3<br>201-159-0<br>606-002-00-3<br>01-2119457290-43  | 0.1-1 | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336<br>EUH066 | /                             |

## Section 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

#### Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. Consult a physician.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Seek medical help.

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## **Following ingestion**

Do not induce vomiting! Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, the patient should hold the head lower than the hips, because it reduces the possibility of aspiration. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

## **4.2 Most important symptoms and effects, both acute and delayed**

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### **Following inhalation**

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation. Vapours may cause drowsiness and dizziness.

### **Following skin contact**

Itching, redness, pain.

### **Following eye contact**

Redness, tearing, pain.

### **Following ingestion**

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area. Aspiration into the lungs causes coughing, shortness of breath and may lead to chemical pneumonia. Harmful to health.

## **4.3 Indication of any immediate medical attention and special treatment needed**

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Treat symptomatically. After the product has been ingested vomiting can cause aspiration into the lungs. Because of the risk of aspiration, induction of vomiting and gastric lavage should be avoided.

## **Section 5: Firefighting measures**

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### **5.1 Extinguishing media**

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#### **Suitable extinguishing media**

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

#### **Unsuitable extinguishing media**

Full water jet.

### **5.2 Special hazards arising from the substance or mixture**

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#### **Hazardous combustion products**

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

### **5.3 Advice for firefighters**

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#### **Protective actions**

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. Cool containers at risk with water spray. If possible remove containers from endangered area.

#### **Special protective equipment for fire-fighters**

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Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

**Additional information**

No information.

## Section 6: ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

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**For non-emergency personnel**

**Protective equipment**

No information.

**Precautionary measures**

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

**Emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

**For emergency responders**

Use personal protective equipment.

### 6.2 Environmental precautions

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Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

### 6.3 Methods and material for containment and cleaning up

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**For containment**

Stem the spill if this does not pose risks.

**For cleaning up**

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

**Other information**

No information.

### 6.4 Reference to other sections

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See also sections 8 and 13.

## Section 7: Handling and storage

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### 7.1 Precautions for safe handling

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**Protective measures**

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## Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

## Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

## Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

## Other measures

No information.

## Advice on general occupational hygiene

Use good personal hygiene practices - wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

## 7.2 Conditions for safe storage, including any incompatibilities

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### Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

### Packaging materials

Store only in original container.

### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

### Storage temperature

No information.

### Storage class

No information.

### Further information on storage conditions

No information.

## 7.3 Specific end use(s)

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### Recommendations

No information.

### Industrial sector specific solutions

No information.

## Section 8: Exposure controls/personal protection

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### 8.1 Control parameters

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#### Occupational Exposure limit values

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| Name   | mg/m <sup>3</sup> | ml/m <sup>3</sup> | Short-term value mg/m <sup>3</sup> | Short-term value ml/m <sup>3</sup> | Remark   | Biological Tolerance Values                                     |
|--|-------------------|-------------------|------------------------------------|------------------------------------|----------|---|
| <b>Butan-2-one (methyl ethyl ketone) (78-93-3)</b> | 600               | 200               | 899                                | 300                                | Sk, BMGV | 70 µmol butan-2-one/L in urine - Post shift                     |
| <b>2-Butoxyethanol (111-76-2)</b>                  | 123               | 25                | 246                                | 50                                 | Sk, BMGV | 240 mmol butoxyacetic acid/mol creatinine in urine - Post shift |
| <b>1-Methoxypropyl acetate (108-65-6)</b>          | 274               | 50                | 548                                | 100                                | Sk       | /   |
| <b>Acetone (67-64-1)</b>                           | 1210              | 500               | 3620                               | 1500                               | /        | /   |
| <b>Methanol (67-56-1)</b>                          | 266               | 200               | 333                                | 250                                | Sk       | /   |
| <b>Methyl acetate (79-20-9)</b>                    | 616               | 200               | 770                                | 250                                | /        | /   |
| <b>Toluene (108-88-3)</b>                          | 191               | 50                | 384                                | 100                                | Sk       | /   |

## Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

## DNEL/DMEL values

### For product

No information.

### For components

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| Name           | Type     | Exposure route | exp. frequency              | Remark | Value                  |
|----------------|----------|----------------|-----------------------------|--------|------------------------|
| <b>Acetone</b> | Worker   | inhalation     | long term systemic effects  | /      | 1210 mg/m <sup>3</sup> |
| <b>Acetone</b> | Worker   | inhalation     | short term local effects    | /      | 2420 mg/m <sup>3</sup> |
| <b>Acetone</b> | Worker   | dermal         | long term systemic effects  | /      | 186 mg/kg bw/day       |
| <b>Acetone</b> | Consumer | inhalation     | long term systemic effects  | /      | 200 mg/m <sup>3</sup>  |
| <b>Acetone</b> | Consumer | dermal         | long term systemic effects  | /      | 62 mg/kg bw/day        |
| <b>Acetone</b> | Consumer | oral           | long term systemic effects  | /      | 62 mg/kg bw/day        |
| <b>Toluene</b> | Worker   | inhalation     | long term systemic effects  | /      | 192 mg/m <sup>3</sup>  |
| <b>Toluene</b> | Worker   | inhalation     | short term systemic effects | /      | 384 mg/m <sup>3</sup>  |
| <b>Toluene</b> | Worker   | inhalation     | long term local effects     | /      | 192 mg/m <sup>3</sup>  |
| <b>Toluene</b> | Worker   | inhalation     | short term local effects    | /      | 384 mg/m <sup>3</sup>  |
| <b>Toluene</b> | Worker   | dermal         | long term systemic effects  | /      | 384 mg/kg bw/day       |
| <b>Toluene</b> | Consumer | inhalation     | long term systemic effects  | /      | 56.5 mg/m <sup>3</sup> |
| <b>Toluene</b> | Consumer | inhalation     | short term systemic effects | /      | 226 mg/m <sup>3</sup>  |
| <b>Toluene</b> | Consumer | inhalation     | long term local effects     | /      | 56.5 mg/m <sup>3</sup> |
| <b>Toluene</b> | Consumer | inhalation     | short term local effects    | /      | 226 mg/m <sup>3</sup>  |

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|-----------------------|----------|----------------|-----------------------------|--------|-----------------------|
| <b>Toluene</b>        | Consumer | dermal         | long term systemic effects  | /      | 226 mg/kg bw/day      |
| <b>Toluene</b>        | Consumer | oral           | long term systemic effects  | /      | 8.13 mg/kg bw/day     |
| <b>methyl acetate</b> | Worker   | inhalation     | long term systemic effects  | /      | 610 mg/m <sup>3</sup> |
| <b>methyl acetate</b> | Worker   | inhalation     | long term local effects     | /      | 305 mg/m <sup>3</sup> |
| <b>methyl acetate</b> | Worker   | dermal         | long term systemic effects  | /      | 88 mg/kg bw/day       |
| <b>methyl acetate</b> | Consumer | inhalation     | long term systemic effects  | /      | 131 mg/m <sup>3</sup> |
| <b>methyl acetate</b> | Consumer | inhalation     | long term local effects     | /      | 152 mg/m <sup>3</sup> |
| <b>methyl acetate</b> | Consumer | dermal         | long term systemic effects  | /      | 44 mg/kg bw/day       |
| <b>methyl acetate</b> | Consumer | oral           | long term systemic effects  | /      | 44 mg/kg bw/day       |
| <b>methanol</b>       | Worker   | dermal         | long term systemic effects  | /      | 20 mg/kg bw/day       |
| <b>methanol</b>       | Worker   | inhalation     | long term systemic effects  | /      | 130 mg/m <sup>3</sup> |
| <b>methanol</b>       | Worker   | inhalation     | short term systemic effects | /      | 130 mg/m <sup>3</sup> |
| <b>methanol</b>       | Consumer | dermal         | short term systemic effects | /      | 4 mg/kg bw/day        |
| <b>methanol</b>       | Consumer | inhalation     | long term systemic effects  | /      | 26 mg/m <sup>3</sup>  |
| <b>methanol</b>       | Consumer | inhalation     | short term systemic effects | /      | 26 mg/m <sup>3</sup>  |

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|------------------------|----------|----------------|-----------------------------|--------|------------------------|
| <b>methanol</b>        | Worker   | dermal         | short term systemic effects | /      | 20 mg/kg bw/day        |
| <b>methanol</b>        | Worker   | inhalation     | short term local effects    | /      | 130 mg/m <sup>3</sup>  |
| <b>methanol</b>        | Worker   | inhalation     | long term local effects     | /      | 130 mg/m <sup>3</sup>  |
| <b>methanol</b>        | Consumer | oral           | long term systemic effects  | /      | 4 mg/kg bw/day         |
| <b>methanol</b>        | Consumer | dermal         | long term systemic effects  | /      | 4 mg/kg bw/day         |
| <b>methanol</b>        | Consumer | inhalation     | short term local effects    | /      | 26 mg/m <sup>3</sup>   |
| <b>methanol</b>        | Consumer | inhalation     | long term local effects     | /      | 26 mg/m <sup>3</sup>   |
| <b>2-butoxyethanol</b> | Worker   | inhalation     | long term systemic effects  | /      | 98 mg/m <sup>3</sup>   |
| <b>2-butoxyethanol</b> | Worker   | inhalation     | short term systemic effects | /      | 1091 mg/m <sup>3</sup> |
| <b>2-butoxyethanol</b> | Worker   | inhalation     | short term local effects    | /      | 246 mg/m <sup>3</sup>  |
| <b>2-butoxyethanol</b> | Worker   | dermal         | long term systemic effects  | /      | 125 mg/kg bw/day       |
| <b>2-butoxyethanol</b> | Worker   | dermal         | short term systemic effects | /      | 89 mg/kg bw/day        |
| <b>2-butoxyethanol</b> | Consumer | inhalation     | long term systemic effects  | /      | 59 mg/m <sup>3</sup>   |
| <b>2-butoxyethanol</b> | Consumer | inhalation     | short term systemic effects | /      | 426 mg/m <sup>3</sup>  |
| <b>2-butoxyethanol</b> | Consumer | inhalation     | short term local effects    | /      | 147 mg/m <sup>3</sup>  |
| <b>2-butoxyethanol</b> | Consumer | dermal         | long term systemic effects  | /      | 75 mg/kg bw/day        |

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| Name                               | Type     | Exposure route | exp. frequency              | Remark | Value                  |
|------------------------------------|----------|----------------|-----------------------------|--------|------------------------|
| <b>2-butoxyethanol</b>             | Consumer | dermal         | short term systemic effects | /      | 89 mg/kg bw/day        |
| <b>2-butoxyethanol</b>             | Consumer | oral           | long term systemic effects  | /      | 6.3 mg/kg bw/day       |
| <b>2-butoxyethanol</b>             | Consumer | oral           | short term systemic effects | /      | 26.7 mg/kg bw/day      |
| <b>Xylene (mixture of isomers)</b> | Worker   | inhalation     | long term systemic effects  | /      | 221 mg/m <sup>3</sup>  |
| <b>Xylene (mixture of isomers)</b> | Worker   | inhalation     | short term systemic effects | /      | 442 mg/m <sup>3</sup>  |
| <b>Xylene (mixture of isomers)</b> | Worker   | inhalation     | long term local effects     | /      | 221 mg/m <sup>3</sup>  |
| <b>Xylene (mixture of isomers)</b> | Worker   | inhalation     | short term local effects    | /      | 442 mg/m <sup>3</sup>  |
| <b>Xylene (mixture of isomers)</b> | Worker   | dermal         | long term systemic effects  | /      | 212 mg/kg bw/day       |
| <b>Xylene (mixture of isomers)</b> | Consumer | inhalation     | long term systemic effects  | /      | 65.3 mg/m <sup>3</sup> |
| <b>Xylene (mixture of isomers)</b> | Consumer | inhalation     | short term systemic effects | /      | 260 mg/m <sup>3</sup>  |
| <b>Xylene (mixture of isomers)</b> | Consumer | inhalation     | long term local effects     | /      | 65.3 mg/m <sup>3</sup> |
| <b>Xylene (mixture of isomers)</b> | Consumer | inhalation     | short term local effects    | /      | 260 mg/m <sup>3</sup>  |
| <b>Xylene (mixture of isomers)</b> | Consumer | dermal         | long term systemic effects  | /      | 125 mg/kg bw/day       |
| <b>Xylene (mixture of isomers)</b> | Consumer | oral           | long term systemic effects  | /      | 12.5 mg/kg bw/day      |

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|--|----------|----------------|----------------------------|--------|-----------------------|
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | Worker   | inhalation     | long term systemic effects | /      | 275 mg/m <sup>3</sup> |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | Worker   | inhalation     | short term local effects   | /      | 550 mg/m <sup>3</sup> |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | Worker   | dermal         | long term systemic effects | /      | 796 mg/kg bw/day      |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | Consumer | inhalation     | long term systemic effects | /      | 33 mg/m <sup>3</sup>  |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | Consumer | inhalation     | long term local effects    | /      | 33 mg/m <sup>3</sup>  |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | Consumer | dermal         | long term systemic effects | /      | 320 mg/kg bw/day      |

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| Name  | Type     | Exposure route | exp. frequency              | Remark | Value                 |
|---|----------|----------------|-----------------------------|--------|-----------------------|
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXYETHYL ACETATE</b> | Consumer | oral           | long term systemic effects  | /      | 36 mg/kg bw/day       |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXYETHYL ACETATE</b> | Consumer | oral           | short term systemic effects | /      | 500 mg/kg bw/day      |
| <b>METHYLETHYL KETONE</b>   | Worker   | inhalation     | long term systemic effects  | /      | 600 mg/m <sup>3</sup> |
| <b>METHYLETHYL KETONE</b>   | Worker   | dermal         | long term systemic effects  | /      | 1161 mg/kg bw/day     |
| <b>METHYLETHYL KETONE</b>   | Consumer | inhalation     | long term systemic effects  | /      | 106 mg/m <sup>3</sup> |
| <b>METHYLETHYL KETONE</b>   | Consumer | dermal         | long term systemic effects  | /      | 412 mg/kg bw/day      |
| <b>METHYLETHYL KETONE</b>   | Consumer | oral           | long term systemic effects  | /      | 31 mg/kg bw/day       |

## PNEC values

### For product

No information.

### For components

| Name           | Exposure route              | Remark     | Value      |
|----------------|-----------------------------|------------|------------|
| <b>Acetone</b> | fresh water                 | /          | 10.6 mg/L  |
| <b>Acetone</b> | water, intermittent release | /          | 21 mg/L    |
| <b>Acetone</b> | marine water                | /          | 1.06 mg/L  |
| <b>Acetone</b> | water treatment plant       | /          | 100 mg/L   |
| <b>Acetone</b> | fresh water sediment        | dry weight | 30.4 mg/kg |
| <b>Acetone</b> | marine water sediment       | dry weight | 3.04 mg/kg |
| <b>Acetone</b> | soil                        | dry weight | 29.5 mg/kg |

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| Name                               | Exposure route              | Remark     | Value       |
|------------------------------------|-----------------------------|------------|-------------|
| <b>Toluene</b>                     | fresh water                 | /          | 0.68 mg/L   |
| <b>Toluene</b>                     | water, intermittent release | /          | 0.68 mg/L   |
| <b>Toluene</b>                     | marine water                | /          | 0.68 mg/L   |
| <b>Toluene</b>                     | water treatment plant       | /          | 13.61 mg/L  |
| <b>Toluene</b>                     | fresh water sediment        | dry weight | 16.39 mg/kg |
| <b>Toluene</b>                     | marine water sediment       | dry weight | 16.39 mg/kg |
| <b>Toluene</b>                     | soil                        | dry weight | 2.89 mg/kg  |
| <b>methyl acetate</b>              | fresh water                 | /          | 0.12 mg/L   |
| <b>methyl acetate</b>              | water, intermittent release | /          | 1.2 mg/L    |
| <b>methyl acetate</b>              | marine water                | /          | 0.012 mg/L  |
| <b>methyl acetate</b>              | water treatment plant       | /          | 600 mg/L    |
| <b>methyl acetate</b>              | fresh water sediment        | dry weight | 0.128 mg/kg |
| <b>methyl acetate</b>              | marine water sediment       | dry weight | 0.013 mg/kg |
| <b>methyl acetate</b>              | soil                        | dry weight | 0.042 mg/kg |
| <b>methyl acetate</b>              | secondary poisoning         | food       | 20.4 mg/kg  |
| <b>methanol</b>                    | fresh water                 | /          | 20.8 mg/L   |
| <b>methanol</b>                    | marine water                | /          | 2.08 mg/L   |
| <b>methanol</b>                    | water treatment plant       | /          | 100 mg/L    |
| <b>methanol</b>                    | fresh water sediment        | dry weight | 77 mg/kg    |
| <b>methanol</b>                    | marine water sediment       | dry weight | 7.7 mg/kg   |
| <b>methanol</b>                    | soil                        | dry weight | 100 mg/kg   |
| <b>2-butoxyethanol</b>             | fresh water                 | /          | 8.8 mg/L    |
| <b>2-butoxyethanol</b>             | water, intermittent release | /          | 26.4 mg/L   |
| <b>2-butoxyethanol</b>             | marine water                | /          | 0.88 mg/L   |
| <b>2-butoxyethanol</b>             | water treatment plant       | /          | 463 mg/L    |
| <b>2-butoxyethanol</b>             | fresh water sediment        | dry weight | 34.6 mg/kg  |
| <b>2-butoxyethanol</b>             | marine water sediment       | dry weight | 3.46 mg/kg  |
| <b>2-butoxyethanol</b>             | soil                        | dry weight | 2.33 mg/kg  |
| <b>2-butoxyethanol</b>             | secondary poisoning         | food       | 0.02 g/kg   |
| <b>Xylene (mixture of isomers)</b> | fresh water                 | /          | 0.327 mg/L  |
| <b>Xylene (mixture of isomers)</b> | water, intermittent release | /          | 0.327 mg/L  |

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| Name   | Exposure route              | Remark     | Value        |
|--|-----------------------------|------------|--------------|
| <b>Xylene (mixture of isomers)</b>                                       | marine water                | /          | 0.327 mg/L   |
| <b>Xylene (mixture of isomers)</b>                                       | water treatment plant       | /          | 6.58 mg/L    |
| <b>Xylene (mixture of isomers)</b>                                       | fresh water sediment        | dry weight | 12.46 mg/kg  |
| <b>Xylene (mixture of isomers)</b>                                       | marine water sediment       | dry weight | 12.46 mg/kg  |
| <b>Xylene (mixture of isomers)</b>                                       | soil                        | dry weight | 2.31 mg/kg   |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | fresh water                 | /          | 0.635 mg/L   |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | water, intermittent release | /          | 6.35 mg/L    |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | marine water                | /          | 0.064 mg/L   |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | water treatment plant       | /          | 100 mg/L     |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | fresh water sediment        | dry weight | 3.29 mg/kg   |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | marine water sediment       | dry weight | 0.329 mg/kg  |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE</b> | soil                        | dry weight | 0.29 mg/kg   |
| <b>METHYLETHYL KETONE</b>  | fresh water                 | /          | 55.8 mg/L    |
| <b>METHYLETHYL KETONE</b>  | water, intermittent release | /          | 55.8 mg/L    |
| <b>METHYLETHYL KETONE</b>  | marine water                | /          | 55.8 mg/L    |
| <b>METHYLETHYL KETONE</b>  | water treatment plant       | /          | 709 mg/L     |
| <b>METHYLETHYL KETONE</b>  | fresh water sediment        | dry weight | 284.74 mg/kg |

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| Name                      | Exposure route        | Remark     | Value       |
|---------------------------|-----------------------|------------|-------------|
| <b>METHYLETHYL KETONE</b> | marine water sediment | dry weight | 284.7 mg/kg |
| <b>METHYLETHYL KETONE</b> | soil                  | dry weight | 22.5 mg/kg  |
| <b>METHYLETHYL KETONE</b> | secondary poisoning   | food       | 1000 mg/kg  |

## 8.2 Exposure controls

### Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

#### Structural measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

#### Personal protective equipment

##### Eye and face protection

Safety glasses with side protection (BS EN ISO 16321-1:2022).

##### Hand protection

Protective gloves (EN ISO 374-1:2016). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. 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. The penetration time is determined by the protective glove manufacturer and must be observed.

#### Appropriate materials

##### Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2022). At high risk of skin exposure chemical suits (BS EN 13034:2005+A1:2009) and boots may be required (BS EN ISO 20345:2022+A1:2024).

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

##### Thermal hazards

No information.

#### Environmental exposure controls

##### Substance/mixture related measures to prevent exposure

No information.

##### Instruction measures to prevent exposure

No information.

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## Organisational measures to prevent exposure

No information.

## Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

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#### Important health, safety and environmental information

|  |  |
|--|--|
| Physical state   | liquid   |
| Shape  | No information.  |
| Colour   | colourless   |
| Odour  | characteristic   |
| Odour threshold  | No information.  |
| Melting/freezing point or softening point                | No information.  |
| Boiling point or initial boiling point and boiling range | No information.  |
| Flammability   | No information.  |
| Lower and upper explosion limit                          | No information.  |
| Flash point  | 23 °C  |
| Auto-ignition temperature                                | No information.  |
| Decomposition temperature                                | No information.  |
| pH   | Substance/mixture is non-soluble (in water).<br>Does not apply |
| Viscosity  | No information.  |
| Solubility   | No information.  |
| Partition coefficient n-octanol/water (log value)        | No information.  |
| Vapour pressure  | No information.  |
| Density  | 0.84 g/cm <sup>3</sup>   |
| Relative vapour/gas density                              | No information.  |
| Particle characteristics                                 | No information.  |

### 9.2 Other information

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#### Information with regard to physical hazard classes

No information.

#### Other safety characteristics

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|                                |                |
|--------------------------------|----------------|
| <b>Weight organic solvents</b> | 840 g/l        |
| <b>Solids content</b>          | 0 %<br>0 vol % |
| <b>Pigment PVC (%)</b>         | 0              |
| <b>Total PVC (%)</b>           | 0              |

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

### 10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

### 10.5 Incompatible materials

Oxidants.

### 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## Section 11: Toxicological information

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

#### (a) Acute toxicity

##### For components

| Name           | Exposure route | Type             | Species | Time | Value       | Method | Remark |
|----------------|----------------|------------------|---------|------|-------------|--------|--------|
| <b>Toluene</b> | oral           | LD <sub>50</sub> | rat     | /    | 5580 mg/kg  | /      | /      |
| <b>Toluene</b> | dermal         | LD <sub>50</sub> | rabbit  | /    | 12124 mg/kg | /      | /      |

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| Name  | Exposure route | Type             | Species | Time | Value           | Method | Remark       |
|---|----------------|------------------|---------|------|-----------------|--------|--------------|
| <b>Toluene</b>  | inhalation     | LC <sub>50</sub> | rat     | 4 h  | 28.1 mg/l       | /      | vapour       |
| <b>methyl acetate</b>   | oral           | LD <sub>50</sub> | rabbit  | /    | > 3705 mg/kg    | /      | /            |
| <b>methanol</b>   | dermal         | LD <sub>50</sub> | rabbit  | /    | ca. 17100 mg/kg | /      | /            |
| <b>2-butoxyethanol</b>  | oral           | LD <sub>50</sub> | rat     | /    | 560 mg/kg       | /      | /            |
| <b>2-butoxyethanol</b>  | dermal         | LD <sub>50</sub> | rabbit  | /    | 1800 mg/kg      | /      | /            |
| <b>2-butoxyethanol</b>  | oral           | LD <sub>50</sub> | mouse   | /    | 1200 mg/kg      | /      | /            |
| <b>2-butoxyethanol</b>  | inhalation     | LC <sub>50</sub> | rat     | 4 h  | 2400 mg/l       | /      | dust/aerosol |
| <b>Xylene (mixture of isomers)</b>                                      | oral           | LD <sub>50</sub> | mouse   | /    | 5627 mg/kg      | /      | /            |
| <b>Xylene (mixture of isomers)</b>                                      | dermal         | LD <sub>50</sub> | rabbit  | /    | > 5000 mg/kg    | /      | /            |
| <b>Xylene (mixture of isomers)</b>                                      | inhalation     | LC <sub>50</sub> | rat     | /    | 6700 ppm        | /      | /            |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXYETHYL ACETATE</b> | oral           | LD <sub>50</sub> | rat     | /    | 8530 mg/kg      | /      | /            |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXYETHYL ACETATE</b> | inhalation     | LC <sub>50</sub> | rat     | 4 h  | 35.7 mg/l       | /      | vapour       |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXYETHYL ACETATE</b> | dermal         | LD <sub>50</sub> | rat     | /    | 5000 mg/kg      | /      | /            |

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| Name               | Exposure route | Type             | Species | Time | Value      | Method | Remark |
|--------------------|----------------|------------------|---------|------|------------|--------|--------|
| METHYLETHYL KETONE | oral           | LD <sub>50</sub> | rat     | /    | 2737 mg/kg | /      | /      |
| METHYLETHYL KETONE | dermal         | LD <sub>50</sub> | rabbit  | /    | 6480 mg/kg | /      | /      |
| METHYLETHYL KETONE | inhalation     | LC <sub>50</sub> | rat     | 4 h  | 23.5 mg/l  | /      | vapour |

#### Additional information

Harmful if swallowed.

#### (b) Skin corrosion/irritation

##### For components

| Name               | Species | Time | result      | Method | Remark |
|--------------------|---------|------|-------------|--------|--------|
| Toluene            | /       | /    | Irritating. | /      | /      |
| METHYLETHYL KETONE | /       | /    | Irritating. | /      | /      |

#### Additional information

Causes skin and eye irritation.

#### (c) Serious eye damage/irritation

##### For components

| Name  | Exposure route | Species | Time | result                                   | Method | Remark |
|---|----------------|---------|------|--|--------|--------|
| Toluene   | /              | /       | /    | Conjunctivitis and irritation of cornea. | /      | /      |
| 1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE | /              | /       | /    | May cause irritation.                    | /      | /      |
| METHYLETHYL KETONE  | /              | /       | /    | Irritating.                              | /      | /      |

#### (d) Respiratory or skin sensitisation

No information.

#### Additional information

The product is not classified as sensitising.

#### (e) (Germ cell) mutagenicity

No information.

#### (f) Carcinogenicity

No information.

#### (g) Reproductive toxicity

No information.

#### Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

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## (h) STOT-single exposure

### For components

| Name    | Exposure route | Type | Species | Time | Exposure | organ | Value | result                        | Method | Rem |
|---------|----------------|------|---------|------|----------|-------|-------|-------------------------------|--------|-----|
| Toluene | inhalation     | /    | /       | /    | /        | /     | /     | Irritates respiratory system. | /      | /   |

### Additional information

May cause drowsiness or dizziness. Causes damage to organs. May cause damage to organs.

## (i) STOT-repeated exposure

### For components

| Name    | Exposure route | Type | Species | Time | Exposure | organ | Value | result                                     | Method | Rem |
|---------|----------------|------|---------|------|----------|-------|-------|--|--------|-----|
| Acetone | dermal         | -    | /       | /    | /        | /     | /     | Prolonged exposure causes skin irritation. | /      | /   |

### Additional information

May cause damage to organs through prolonged or repeated exposure.

## (j) Aspiration hazard

No information.

### Additional information

May be fatal if swallowed and enters airways.

### Symptoms related to the physical, chemical and toxicological characteristics

No information.

### Interactive effects

No information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

### Other information

No information.

## Section 12: Ecological information

### 12.1 Toxicity

#### Acute (short-term) toxicity

##### For components

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| Name  | Type             | Value          | Exposure time | Species   | Organism                               | Method  | Remark |
|---|------------------|----------------|---------------|-----------|--|---|--------|
| <b>Toluene</b>  | LC <sub>50</sub> | 7.63 mg/L      | 96 h          | fish      | <i>Oncorhynchus mykiss</i>             | /   | /      |
| <b>Toluene</b>  | EC <sub>50</sub> | 6 mg/L         | 48 h          | daphnia   | <i>Daphnia magna</i>                   | /   | /      |
| <b>methanol</b>   | LC <sub>50</sub> | 15400 mg/L     | 96 h          | fish      | <i>Lepomis macrochirus</i>             | EPA-660 / 3-75-009<br>Translation required (216615) | /      |
| <b>methanol</b>   | EC <sub>50</sub> | 22200 mg/L     | 48 h          | crustacea | <i>Daphnia magna</i>                   | OECD 202  | /      |
| <b>methanol</b>   | EC <sub>50</sub> | ca. 22000 mg/L | 96 h          | algae     | <i>Pseudokirchneriella subcapitata</i> | OECD 201  | /      |
| <b>Xylene (mixture of isomers)</b>                                      | LC <sub>50</sub> | > 1.3 mg/L     | /             | fish      | /                                      | /   | /      |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXYETHYL ACETATE</b> | LC <sub>50</sub> | 100 mg/L       | 96 h          | fish      | <i>Oncorhynchus mykiss</i>             | /   | /      |
| <b>1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXYETHYL ACETATE</b> | EC <sub>50</sub> | 500 mg/L       | 48 h          | crustacea | /                                      | /   | /      |
| <b>METHYLETHYL KETONE</b>   | EC <sub>50</sub> | 5091 mg/L      | 48 h          | crustacea | /                                      | /   | /      |

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| Name                       | Type             | Value     | Exposure time | Species  | Organism | Method | Remark |
|----------------------------|------------------|-----------|---------------|----------|----------|--------|--------|
| <b>METHYLE THYL KETONE</b> | LC <sub>50</sub> | 3220 mg/L | 96 h          | fish     | /        | /      | /      |
| <b>METHYLE THYL KETONE</b> | EC <sub>50</sub> | 1150 mg/L | /             | bacteria | /        | /      | /      |

## Chronic (long-term) toxicity

No information.

## 12.2 Persistence and degradability

### Abiotic degradation, physical- and photo-chemical elimination

No information.

### Biodegradation

#### For components

| Name                               | Type | Rate                        | Time    | Evaluation            | Method | Remark |
|------------------------------------|------|-----------------------------|---------|-----------------------|--------|--------|
| <b>Acetone</b>                     | -    | /                           | /       | readily biodegradable | /      | /      |
| <b>methanol</b>                    | BOD  | 95 %                        | 20 days | readily biodegradable | /      | /      |
| <b>Xylene (mixture of isomers)</b> | BOD  | 57 - 80 g O <sub>2</sub> /g | /       | /                     | /      | /      |

## 12.3 Bioaccumulative potential

### Partition coefficient n-octanol/water (log value)

#### For components

| Name                               | Value      | Temperature °C | pH | Concentration | Method |
|------------------------------------|------------|----------------|----|---------------|--------|
| <b>Acetone</b>                     | -0.23      | /              | /  | /             | /      |
| <b>methanol</b>                    | -0.77      | /              | /  | /             | /      |
| <b>Xylene (mixture of isomers)</b> | 3.12 - 3.2 | /              | /  | /             | /      |

### Bioconcentration factor (BCF)

#### For components

| Name           | Species | Organism | Value | Duration | Evaluation | Method | Remark |
|----------------|---------|----------|-------|----------|------------|--------|--------|
| <b>Acetone</b> | BCF     | /        | 3     | /        | /          | /      | /      |

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| Name                                      | Species  | Organism | Value | Duration | Evaluation | Method | Remark |
|---|----------|----------|-------|----------|------------|--------|--------|
| <b>Xylene (mixture of isomers)</b>        | BCF      | /        | 25.9  | /        | /          | /      | /      |
| <b>1-METHYL-2-METHOXYETHYL ACETATE</b>    | organism | /        | 0.43  | /        | /          | /      | /      |
| <b>DI 1-METHYL-2-METHOXYETHYL ACETATE</b> |          |          |       |          |            |        |        |

## 12.4 Mobility in soil

### Known or predicted distribution to environmental compartments

No information.

### Surface tension

No information.

### Adsorption/Desorption

#### For components

| Name                               | Type | Criterion | Value | Evaluation | Method | Remark |
|------------------------------------|------|-----------|-------|------------|--------|--------|
| <b>Xylene (mixture of isomers)</b> | Soil | log KOC   | 2.73  | /          | /      | /      |

## 12.5 Results of PBT and vPvB assessment

No evaluation.

## 12.6 Endocrine disrupting properties

The product does not contain substances with the potential for endocrine disorders.

## 12.7 Other adverse effects

No information.

## 12.8 Additional information

### For product

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Product is not classified as hazardous for environment. Do not allow to reach ground water, water courses or sewage system.

## For components

### Toluene

Chemical Oxygen Demand (COD) 0,7 g/g

### Xylene (mixture of isomers)

This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). Bioaccumulation is not expected.

### 1-METHYL-2-METHOXYETHYL ACETATE DI 1-METHYL-METHOXY ETHYL ACETATE

Water hazard class 1 (Self-assessment): slightly hazardous for water

### METHYLETHYL KETONE

Very volatile, partially soluble in water, absorption into the soil is likely to be readily biodegradable, is not bioaccumulative.

## Section 13: Disposal considerations

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### 13.1 Waste treatment methods

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#### Product / Packaging disposal

##### Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

##### Waste codes / waste designations according to LoW

No information.

##### Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapours.

##### Waste codes / waste designations according to LoW

No information.

##### Waste treatment-relevant information

No information.

##### Sewage disposal-relevant information

No information.

##### Other disposal recommendations

No information.

## Section 14: Transport information

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ADR/RID

IMDG

IATA

ADN

**14.1 UN number or ID number**

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| ADR/RID   | IMDG  | IATA  | ADN   |
|---|---|---|---|
| UN 1263   | UN 1263   | UN 1263   | UN 1263   |
| <b>14.2 UN proper shipping name</b>   |   |   |   |
| PAINT RELATED MATERIAL  | PAINT RELATED MATERIAL  | PAINT RELATED MATERIAL  | PAINT RELATED MATERIAL  |
| <b>14.3 Transport hazard class(es)</b>  |   |   |   |
| 3   | 3   | 3   | 3   |
|  |  |  |  |
| <b>14.4 Packing group</b>   |   |   |   |
| III   | III   | III   | III   |
| <b>14.5 Environmental hazards</b>   |   |   |   |
| NO  | NO  | NO  | NO  |
| <b>14.6 Special precautions for user</b>  |   |   |   |

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| ADR/RID   | IMDG   | IATA  | ADN                       |
|---|--|---|---------------------------|
| Limited quantities<br>5 L<br>Special provisions<br>163, 367, 650<br>Packing Instructions<br>P001, IBC03, LP01,<br>R001<br>Special packing<br>provisions<br>PP1<br>Transport category<br>3<br>Tunnel restriction<br>code<br>(D/E)<br>Classification code<br>F1 | Limited quantities<br>5 L<br>EmS<br>F-E, <u>S-E</u><br>Flash point<br>23 °C              | Limited Quantity,<br>Packing Instructions<br>(Ltd Qty, Pkg Inst)<br>Y344<br>Limited Quantity,<br>Maximum Net<br>Quantity/Package<br>(Ltd Qty, Max Net<br>Qty/Pkg)<br>10 L<br>Packing Instructions<br>(Pkg Inst)<br>355<br>Maximum Net<br>Quantity/Package<br>(Max Net Qty/Pkg)<br>25 L<br>Cargo Aircraft Only,<br>Packing Instructions<br>(CAO, Pkg Inst)<br>366<br>Special provisions<br>A3, A72, A192<br>ERG code<br>3L | Limited quantities<br>5 L |
| <b>14.7 Maritime<br/>transport in bulk<br/>according to IMO<br/>instruments</b>   | Goods may not be<br>carried in bulk in bulk<br>containers,<br>containers or<br>vehicles. |   |                           |

## Section 15: Regulatory information

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)(including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

**Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)**

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EU limit values and category: B(a) 850 g/l. VOC Content: 840 g/l

## **Ingredients according to Regulation (EC) No 648/2004 on detergents**

No information.

## **Special instructions**

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

## **15.2 Chemical Safety Assessment**

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No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## **Section 16: Other information**

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### **Indication of changes**

2.2 Label elements 3.2 Mixtures 7.2 Conditions for safe storage, including any incompatibilities 8.1 Control parameters 8.2 Exposure controls 9.1 Information on basic physical and chemical properties 9.2 Other information 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 12.1 Toxicity 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil 12.8 Additional information 14. Transport information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

### **Key literature references and sources for data**

No information.

### **Abbreviations and acronyms**

ATE - Acute Toxicity Estimate  
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances  
ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue

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EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006)  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

## List of relevant H phrases

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.

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H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H370 Causes damage to organs.

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

EUH066 Repeated exposure may cause skin dryness or cracking.