## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

chemius.net/7qF81

Product name

**7150 M15 Surfacer, UV Primer Filler**

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

Relevant identified uses

Filler For professional use only.

Uses advised against

No information.

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

Supplier

SILCO, D.O.O.
Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia
Phone: +386 3 703 3180
Fax: +386 3 703 3188
E-mail: n.cvilak@silco-automotive.com
Point of contact for safety info: Nejc Cvilak

### 1.4. Emergency telephone number

Emergency

112

Supplier

+386 3 703 3180

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Flam. Liq. 2; H225 Highly flammable liquid and vapour.
Skin Irrit. 2; H315 Causes skin irritation.
Skin Sens. 1; H317 May cause an allergic skin reaction.
Eye Irrit. 2; H319 Causes serious eye irritation.
Repr. 2; H361d Suspected of damaging the unborn child.
STOT RE 1; H372 Causes damage to organs through prolonged or repeated exposure.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

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

Signal word: **Danger**

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
P201 Obtain special instructions before use.
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.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### 2.2.2. Contains:

styrene (CAS: 100-42-5, EC: 202-851-5, Index: 601-026-00-0)
hexane-1,6-diol diacrylate (CAS: 13048-33-4, EC: 235-921-9, Index: 607-109-00-8)
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (CAS: 162881-26-7, EC: 423-340-5, Index: 015-189-00-5)

#### 2.2.3. Special provisions

Special hazards are not known or expected.

### 2.3. Other hazards

The substances in the mixture are not classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

For mixtures see 3.2.

### 3.2. Mixtures

| Name | CAS<br>EC<br>Index | % | Classification according to Regulation (EC) No 1272/2008 (CLP) | Specific Conc. Limits | REACH Registration No. |
|---|---|---|---|---|---|
| styrene | 100-42-5<br>202-851-5<br>601-026-00-0 | ≥15-<20 | Flam. Liq. 3; H226<br>Asp. Tox. 1; H304<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Acute Tox. 4; H332<br>STOT SE 3; H335<br>Repr. 2; H361d<br>STOT RE 1; H372<br>Aquatic Chronic 3; H412 | | 01-2119457861-32 |
| hexane-1,6-diol diacrylate *[D]* | 13048-33-4<br>235-921-9<br>607-109-00-8 | ≥10-<12,5 | Skin Irrit. 2; H315<br>Skin Sens. 1; H317<br>Eye Irrit. 2; H319<br>Aquatic Chronic 3; H412 | | 01-2119484737-22 |
| acetone | 67-64-1<br>200-662-2<br>606-001-00-8 | ≥3-<5 | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336<br>EUH066 | | 01-2119471330-49 |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide | 162881-26-7<br>423-340-5<br>015-189-00-5 | ≥1-<3 | Skin Sens. 1; H317<br>Aquatic Chronic 4; H413 | | 01-2119489401-38 |
| oligoamine resin | -<br>-<br>- | ≥1-<3 | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319 | | - |
| 2-benzyl-2-dimethylamino-4-morpholinobutyrophenone | 119313-12-1<br>404-360-3<br>606-047-00-9 | ≥0,25-<0,5 | Repr. 2; H361d<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410 | | 01-0000015394-70 |
| 1,1'-(p-tolylimino)dipropan-2-ol | 38668-48-3<br>254-075-1<br>- | ≥0,1-<0,25 | Acute Tox. 2; H300<br>Eye Irrit. 2; H319<br>Aquatic Chronic 3; H412 | | 01-2119980937-17 |
| 2-[N-(2-Hydroxyethyl)-4-methylanilino]ethanol | 3077-12-1<br>221-359-1<br>- | ≥0,01-<0,1 | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318 | | - |
| 2,6-dimethylheptan-4-one | 108-83-8<br>203-620-1<br>606-005-00-X | <0,01 | Flam. Liq. 3; H226<br>STOT SE 3; H335 | STOT SE 3; H335: C ≥ 10 % | 01-2119474441-41 |

Notes for substances:

| | |
|---|---|
| **D** | Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3.<br><br>However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words "non-stabilised". |

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.
No action shall be taken involving any personal risk or without suitable training. 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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 symptoms develop and persist, seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing.

Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. Consult a physician.

Following eye contact

If the patient is wearing contact lenses, remove them immediately. Immediately flush eyes with running water, keeping eyelids apart. Seek medical help. Protect the undamaged eye.

Following ingestion

Do not induce vomiting! Immediately consult a doctor. Show the physician the safety data sheet or label. Never give anything by mouth to an unconscious person.

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

Inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Skin contact

Itching, redness, pain.
May cause sensitisation by skin contact (itching, redness, rashes).

Eye contact

Redness, tearing, pain.

Ingestion

May cause abdominal discomfort.
May cause nausea/vomiting and diarrhea.
Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

### 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

Carbon dioxide ($CO_2$).
Fire extinguishing powder.

Unsuitable extinguishing media

Full water jet. In general use of water is not advisable, because it can be ineffective. It can be used, however, to cool down exposed vessels.

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

#### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide ($CO_2$).

### 5.3. Advice for firefighters

#### Protective actions

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

#### Special protective equipment for firefighters

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

#### Additional information

Contaminated extinguishing agents must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

#### 6.1.1. For non-emergency personnel

**Protective equipment**

Use personal protective equipment (Section 8).

**Emergency procedures**

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking! Prevent access to unprotected personnel. No action shall be taken involving any personal risk or without suitable training. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing. Do not use open fire and keep away all sources of ignition.

#### 6.1.2. For emergency responders

Use personal protective equipment.

### 6.2. Environmental precautions

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

#### 6.3.1. For containment

Stem the spill if this does not pose risks.

#### 6.3.2. For cleaning up

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

#### 6.3.3. Other information

-

### 6.4. Reference to other sections

See also Sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### 7.1.1. Protective measures

**Measures to prevent fire**

Ensure adequate ventilation. Take precautionary measures against static discharges. Keep away from sources of ignition - no smoking. Use spark-proof tools. 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.

#### 7.1.2. Advice on general occupational hygiene

Do not eat, drink or smoke while working. Do not breathe vapours/mist. Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8. Avoid exposure - obtain special instructions before using. Pregnant women should avoid contact with the product or inhalation of the product.

### 7.2. Conditions for safe storage, including any incompatibilities

#### 7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. 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. Keep in a cool, dry and well ventilated place. Storage temperature < 20 °C.

#### 7.2.2. Packaging materials

Store only in original container.

#### 7.2.3. 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.

#### 7.2.4. Storage class

-

#### 7.2.5. Further information on storage conditions

-

### 7.3. Specific end use(s)

**Recommendations**

-

**Industrial sector specific solutions**

-

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

| Name (CAS) | Limit values | | Short-term exposure limit | | Remarks | Biological Tolerance Values |
|---|---|---|---|---|---|---|
| | ml/m³ (ppm) | mg/m³ | ml/m³ (ppm) | mg/m³ | | |
| Acetone (67-64-1) | 500 | 1210 | 1500 | 3620 | | |
| 2,6-Dimethylheptan-4-one (108-83-8) | 25 | 148 | - | - | | |
| Styrene (100-42-5) | 100 | 430 | 250 | 1080 | | |

### 8.1.2. 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 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

### 8.1.3. DNEL/DMEL values

**For components**

| Name | Type | Exposure route | Exposure frequency | Value | Remark |
|---|---|---|---|---|---|
| styrene (100-42-5) | Worker | inhalation | long term (systemic effects) | 85 mg/m$^3$ | |
| styrene (100-42-5) | Worker | inhalation | short term (systemic effects) | 289 mg/m$^3$ | |
| styrene (100-42-5) | Worker | inhalation | short term (local effects) | 306 mg/m$^3$ | |
| styrene (100-42-5) | Worker | dermal | long term (systemic effects) | 406 mg/kg bw/day | |
| styrene (100-42-5) | Consumer | inhalation | long term (systemic effects) | 10,2 mg/m$^3$ | |
| styrene (100-42-5) | Consumer | inhalation | short term (systemic effects) | 174,25 mg/m$^3$ | |
| styrene (100-42-5) | Consumer | inhalation | short term (local effects) | 182,75 mg/m$^3$ | |
| styrene (100-42-5) | Consumer | dermal | long term (systemic effects) | 343 mg/kg bw/day | |
| styrene (100-42-5) | Consumer | oral | long term (systemic effects) | 2,1 mg/kg bw/day | |
| hexane-1,6-diol diacrylate (13048-33-4) | Worker | inhalation | long term (systemic effects) | 24,5 mg/m$^3$ | |
| hexane-1,6-diol diacrylate (13048-33-4) | Worker | dermal | long term (systemic effects) | 2,77 mg/kg bw/day | |
| hexane-1,6-diol diacrylate (13048-33-4) | Consumer | inhalation | long term (systemic effects) | 7,2 mg/m$^3$ | |
| hexane-1,6-diol diacrylate (13048-33-4) | Consumer | dermal | long term (systemic effects) | 1,66 mg/kg bw/day | |
| hexane-1,6-diol diacrylate (13048-33-4) | Consumer | oral | long term (systemic effects) | 2,1 mg/kg bw/day | |
| acetone (67-64-1) | Worker | inhalation | long term (systemic effects) | 1210 mg/m$^3$ | |
| acetone (67-64-1) | Worker | inhalation | short term (local effects) | 2420 mg/m$^3$ | |
| acetone (67-64-1) | Worker | dermal | long term (systemic effects) | 186 mg/kg bw/day | |
| acetone (67-64-1) | Consumer | inhalation | long term (systemic effects) | 200 mg/m$^3$ | |
| acetone (67-64-1) | Consumer | dermal | long term (systemic effects) | 62 mg/kg bw/day | |
| acetone (67-64-1) | Consumer | oral | long term (systemic effects) | 62 mg/kg bw/day | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | Worker | inhalation | long term (systemic effects) | 21 mg/m$^3$ | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | Worker | dermal | long term (systemic effects) | 3 mg/kg bw/day | |

| | | | | | |
|---|---|---|---|---|---|
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | Consumer | inhalation | long term (systemic effects) | 5,2 mg/m$^3$ | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | Consumer | dermal | long term (systemic effects) | 1,5 mg/kg bw/day | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | Consumer | oral | long term (systemic effects) | 1,5 mg/kg bw/day | |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | Worker | inhalation | long term (systemic effects) | 2,47 mg/m$^3$ | |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | Worker | dermal | long term (systemic effects) | 0,7 mg/kg bw/day | |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | Consumer | oral | long term (systemic effects) | 0,25 mg/kg bw/day | |

### 8.1.4. PNEC values

**For components**

| Name | Exposure route | Value | Remark |
|---|---|---|---|
| styrene (100-42-5) | fresh water | 0,028 mg/L | |
| styrene (100-42-5) | water, intermittent release | 0,04 mg/L | fresh water |
| styrene (100-42-5) | marine water | 0,014 mg/L | |
| styrene (100-42-5) | water treatment plant | 5 mg/L | |
| styrene (100-42-5) | fresh water sediment | 0,614 mg/kg | dry weight |
| styrene (100-42-5) | marine water sediment | 0,307 mg/kg | dry weight |
| styrene (100-42-5) | soil | 0,2 mg/kg | dry weight |
| hexane-1,6-diol diacrylate (13048-33-4) | fresh water | 0,007 mg/L | |
| hexane-1,6-diol diacrylate (13048-33-4) | water, intermittent release | 0,001 mg/L | fresh water |
| hexane-1,6-diol diacrylate (13048-33-4) | water treatment plant | 2,7 mg/L | |
| hexane-1,6-diol diacrylate (13048-33-4) | fresh water sediment | 0,493 mg/kg | dry weight |
| hexane-1,6-diol diacrylate (13048-33-4) | marine water sediment | 0,049 mg/kg | dry weight |
| hexane-1,6-diol diacrylate (13048-33-4) | soil | 0,094 mg/kg | dry weight |
| acetone (67-64-1) | fresh water | 10,6 mg/L | |
| acetone (67-64-1) | water, intermittent release | 21 mg/L | fresh water |
| acetone (67-64-1) | marine water | 1,06 mg/L | |
| acetone (67-64-1) | water treatment plant | 100 mg/L | |
| acetone (67-64-1) | fresh water sediment | 30,4 mg/kg | dry weight |
| acetone (67-64-1) | marine water sediment | 3,04 mg/kg | dry weight |
| acetone (67-64-1) | soil | 29,5 mg/kg | dry weight |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | fresh water | 1 µg/l | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | water, intermittent release | 1 µg/L | fresh water |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | marine water | 1 µg/l | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | water treatment plant | 1 mg/L | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | fresh water sediment | 0,712 mg/kg | dry weight |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | marine water sediment | 0,712 mg/kg | dry weight |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | soil | 20 mg/kg | dry weight |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | fresh water | 0,017 mg/L | |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | fresh water sediment | 0,17 mg/kg | dry weight |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | marine water | 0,002 mg/L | |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | water treatment plant | 199,5 mg/L | |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | fresh water sediment | 0,163 mg/kg | dry weight |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | marine water sediment | 0,016 mg/kg | dry weight |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | soil | 0,023 mg/kg | dry weight |

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering control

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

Do not breathe vapours/aerosols. 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. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes.

**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.

### 8.2.2. Personal protective equipment

**Eye and face protection**

Tight fitting protective goggles (EN 166).

**Hand protection**

Protective gloves (EN 374). The penetration time is determined by the protective glove manufacturer and must be observed. 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.

**Appropriate materials**

| Material | Thickness | Penetration Time | Remark |
|---|---|---|---|
| - | 0,4 mm | > 60 min | |

**Skin protection**

Protective work clothing resistant to liquid chemicals (EN 14605). Shoes that cover the entire foot (EN ISO 20345).

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory protection. Protective masks (EN 136) or half masks (EN 140) with filter A (EN 14387).

**Thermal hazards**

-

### 8.2.3. Environmental exposure controls

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

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

**Technical measures to prevent exposure**

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

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| - | **Physical state:** | liquid; paste |
| - | **Colour:** | grey |
| - | **Odour:** | characteristic |

Important health, safety and environmental information

| | | |
|---|---|---|
| - | **pH** | No information. |
| - | **Melting point/freezing point** | No information. |
| - | **Initial boiling point/boiling range** | 56 °C |
| - | **Flash point** | -18 °C |
| - | **Evaporation rate** | No information. |
| - | **Flammability (solid, gas)** | No information. |
| - | **Explosion limits (vol%)** | 2,5 – 14,3 vol % |
| - | **Vapour pressure** | 240 hPa |
| - | **Vapour density** | 3,6 |
| - | **Density** | **Density**:<br>1,360 g/cm$^3$ |
| - | **Solubility** | **Water**:<br>Insoluble |
| - | **Partition coefficient** | No information. |
| - | **Auto-ignition temperature** | 465 °C |
| - | **Decomposition temperature** | No information. |
| - | **Viscosity** | **kinematic**:<br>> 20,5 mm$^2$/s at 40 °C |
| - | **Explosive properties** | No information. |
| - | **Oxidising properties** | No information. |

### 9.2. Other information

| | | |
|---|---|---|
| - | **Weight organic solvents** | 350,88 g/l (VOC) |
| - | **Remarks:** | |

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under recommended transport or storage conditions.

### 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. Reactions with oxidising agents.

### 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 toxicological effects

(a) Acute toxicity

| Name | Exposure route | Type | Species | Time | Value | Method | Remark |
|---|---|---|---|---|---|---|---|
| styrene (100-42-5) | oral | $LD_{50}$ | rat | | 5000 mg/kg | | |
| styrene (100-42-5) | inhalation | $LC_{50}$ | rat | 4 h | 11,8 mg/l | | |
| styrene (100-42-5) | dermal | $LD_{50}$ | rat | | > 2000 mg/kg | OECD 402 | |
| hexane-1,6-diol diacrylate (13048-33-4) | oral | $LD_{50}$ | rat | | 5000 mg/kg | | |
| hexane-1,6-diol diacrylate (13048-33-4) | dermal | $LD_{50}$ | rabbit | | 3650 mg/kg | | |
| acetone (67-64-1) | inhalation | $LC_{50}$ | rat | 8 h | 21,09 ppm | OECD 403 | |
| acetone (67-64-1) | oral | $LD_{50}$ | rat | | 5800 mg/kg | | |
| acetone (67-64-1) | dermal | $LD_{50}$ | rabbit | | > 20 ml/kg | | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | oral | $LD_{50}$ | rat | | > 2000 mg/kg | | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | dermal | $LD_{50}$ | rat | | > 2000 mg/kg | | |
| 2-benzyl-2-dimethylamino-4-morpholinobutyrophenone (119313-12-1) | oral | $LD_{50}$ | rat | | > 5000 mg/kg | | |
| 2-benzyl-2-dimethylamino-4-morpholinobutyrophenone (119313-12-1) | dermal | $LD_{50}$ | rat | | > 2000 mg/kg | | |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | oral | $LD_{50}$ | rat | | 25 mg/kg | | |
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | dermal | $LD_{50}$ | guinea pig | | > 2000 mg/kg | | |

**Additional information:** The product is not classified for acute toxicity.

(b) Skin corrosion/irritation

| Name | Species | Time | Result | Method | Remark |
|---|---|---|---|---|---|
| acetone (67-64-1) | | | Irritating. | | |

**Additional information:** Causes skin irritation.

(c) Serious eye damage/irritation

| Name | Species | Time | Result | Method | Remark |
|---|---|---|---|---|---|
| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) | rabbit | | Irritating. | | |

**Additional information:** Causes serious eye irritation.

(d) Respiratory or skin sensitisation

| Name | Exposure route | Species | Time | Result | Method | Remark |
|---|---|---|---|---|---|---|
| hexane-1,6-diol diacrylate (13048-33-4) | dermal | guinea pig | | Sensitizing. | | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | dermal | guinea pig | | Sensitizing. | | |

**Additional information:** May cause an allergic skin reaction.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

Suspected of damaging the unborn child.

(h) STOT-single exposure

**Additional information:** STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

| Name | Exposure route | Type | Species | Time | Organ | Value | Result | Method | Remark |
|---|---|---|---|---|---|---|---|---|---|
| styrene (100-42-5) | oral | LOAEL | rat | | | 2000 mg/kg bw/day | | | |
| styrene (100-42-5) | oral | NOAEL | rat | | | 1000 mg/kg bw/day | | | |
| styrene (100-42-5) | inhalation | LOAEL | rat | | | 0,21 mg/L | | | |

**Additional information:** Causes damage to organs through prolonged or repeated exposure.

(j) Aspiration hazard

**Additional information:** Aspiration hazard: Not classified.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute (short-term) toxicity

**For components**

| Substance (CAS Nr.) | Type | Value | Exposure time | Species | Organism | Method | Remark |
|---|---|---|---|---|---|---|---|
| styrene (100-42-5) | $LC_{50}$ | 4,02 mg/L | 96 h | fish | | | |
| | $EC_{50}$ | 4,9 mg/L | 72 h | algae | | | |
| | $EC_{50}$ | 4,7 mg/kg | 48 h | *Daphnia* | | | |
| | EC10 | 0,28 mg/L | 96 h | algae | | | |
| hexane-1,6-diol diacrylate (13048-33-4) | $EC_{50}$ | 1,5 mg/L | 72 h | algae | | | |
| | NOEC | 0,5 mg/L | 72 h | algae | | | |
| | $EC_{50}$ | 4,6 mg/L | 96 h | fish | | | |
| | $EC_{50}$ | 2,6 mg/L | 48 h | *Daphnia* | | | |
| acetone (67-64-1) | $LC_{50}$ | 8120 mg/L | 96 h | fish | | | |
| | $EC_{50}$ | 530 mg/L | 192 h | algae | | | |
| | $EC_{50}$ | 8800 mg/L | 48 h | *Daphnia* | | | |
| phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide (162881-26-7) | $EC_{50}$ | 1,175 mg/L | 48 h | *Daphnia* | | | |
| | $EC_{50}$ | 0,26 mg/L | 72 h | algae | | | |
| | $LC_{50}$ | 0,09 mg/L | 96 h | fish | | | |
| 2-benzyl-2-dimethylamino-4-morpholinobutyrophenone (119313-12-1) | $LC_{50}$ | 0,46 mg/L | 96 h | fish | | | |
| | $EC_{50}$ | 0,8 mg/L | 24 h | *Daphnia* | | | |
| | $EC_{50}$ | 2 mg/L | 72 h | algae | | | |

#### 12.1.2. Chronic (long-term) toxicity

**For components**

| Substance (CAS Nr.) | Type | Value | Exposure time | Species | Organism | Method | Remark |
|---|---|---|---|---|---|---|---|
| styrene (100-42-5) | NOEC | 1,01 mg/l | 504 h | Daphnia | | | |

### 12.2. Persistence and degradability

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

No information.

#### 12.2.2. Biodegradation

No information.

#### Additional information

Not easily biodegradable.

### 12.3. Bioaccumulative potential

#### 12.3.1. Partition coefficient

No information.

#### 12.3.2. Bioconcentration factor (BCF)

No information.

#### Additional information

No bioaccumulation expected.

### 12.4. Mobility in soil

#### 12.4.1. Known or predicted distribution to environmental compartments

No information.

#### 12.4.2. Surface tension

No information.

#### 12.4.3. Adsorption/Desorption

No information.

### 12.5. Results of PBT and vPvB assessment

No evaluation.

### 12.6. Other adverse effects

No information.

### 12.7. Additional information

**For product**

Harmful to aquatic life with long lasting effects.
Do not allow to reach ground water, water courses or sewage system.
Floats on water.
Danger of contaminating surface and ground water.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

**Waste chemical**

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

**Packaging**

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

#### 13.1.2. Waste treatment-relevant information

-

#### 13.1.3. Sewage disposal-relevant information

-

#### 13.1.4. Other disposal recommendations

-

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

UN 1263


### 14.2. UN proper shipping name

PAINT

### 14.3. Transport hazard class(es)

3

### 14.4. Packing group

II

### 14.5. Environmental hazards

NO.

### 14.6. Special precautions for user

**Limited quantities**

5 L

**Tunnel restriction code**

(D/E)

**IMDG flashpoint**

-18 °C, c.c.

**IMDG EmS**

F-E, S-E

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Goods may not be carried in bulk in bulk containers, containers or 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) 2015/830)

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

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

EU limit values and category: B(c) 540 g/l. VOC Content: < 540 g/l

#### 15.1.2. Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.
Seveso P5c: FLAMMABLE LIQUIDS.

### 15.2. Chemical Safety Assessment

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

## SECTION 16. OTHER INFORMATION

#### Indication of changes

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#### Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - European 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
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
$LC_{50}$ - Lethal Concentration to 50 % of a test population
$LD_{50}$ - 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

## Key literature references and sources for data

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## List of relevant H phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H300 Fatal if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure .
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.
EUH066 Repeated exposure may cause skin dryness or cracking.



The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.