



## PROPSPEED CLEAR COAT

### Safety Data Sheet

According to Regulation (EC) No. 1907/2006  
(amended by Regulation (EU) No. 2020/878)

**Language** EN

**Date of revision** 2024-03-16, Version 6

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

### 1.1 Product identifier

|                     |                                                                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name</b> | Propspeed Clear Coat                                                                                                                                                                            |
| <b>Catalog No.</b>  | Component in Propspeed PSSKIT-EU (CC80, 80 mL), PSMKIT-EU (CC200, 200 mL), PSLKIT-EU (CC320, 320 mL), PSCKIT-EU (CC1280, 1,280 mL), and individually in Clear Coat 320 mL only (CC320; 320 mL). |

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

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| <b>Identified uses</b> | Protective coating for boats' propellers and underwater metals. |
|------------------------|-----------------------------------------------------------------|

### 1.3 Details of the supplier of the Safety Data Sheet

|                 |                                                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplier</b> | Propspeed International Ltd<br>PO Box 83232<br>Edmonton<br>Auckland<br>New Zealand<br><a href="http://www.propspeed.com">www.propspeed.com</a> |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------|

|                  |                |
|------------------|----------------|
| <b>Telephone</b> | +64 9 524 1470 |
| <b>Telefax</b>   | +64 9 813 5246 |

**E-mail (competent person)** info@propspeed.com

### 1.4 Emergency telephone number

|                                                  |                           |
|--------------------------------------------------|---------------------------|
| <b>Emergency number</b><br>(24h/24 – 365 d/year) | +64 4 917 9888 (ChemCall) |
|--------------------------------------------------|---------------------------|

## Section 2 - Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008:

| Hazard class                                           | Hazard category | H-Code |
|--------------------------------------------------------|-----------------|--------|
| Flammable liquids                                      | Category 2      | H225   |
| Aspiration hazard                                      | Category 1      | H304   |
| Skin corrosion/irritation                              | Category 1      | H314   |
| Carcinogenicity                                        | Category 1      | H350   |
| Specific target organ toxicity, single exposure        | Category 1      | H370   |
| Specific target organ toxicity after repeated exposure | Category 2      | H373   |

### 2.2 Label elements

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

**UFI:** M2PU-82DM-R005-JM0H

#### Hazard pictograms:



**Signal word: Danger**

#### Hazard statements:

##### [H-Code: Hazard information]

H225: Highly Flammable liquid and vapour

H304: May be fatal if swallowed and enters airways.

H314: Causes skin burns and severe eye damage.

H350: May cause cancer.

H370: Causes damage to organs (upper respiratory tract).

H373: May cause damage to organs (blood system) through prolonged or repeated exposure.

#### Precautionary statements:

##### [P-Code: Safety information]

##### General

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

##### Prevention

P201: Obtain special instructions before use.

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

P260: Do not breathe fume and vapours.

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

#### Response

P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310: Immediately call a POISON CENTER or doctor/physician.

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

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Elimination

P501: Dispose of contents/container to an approved waste disposal plant.

### **Reduced labelling ( $\leq 125$ ml) according to Regulation (EC) No. 1272/2008.**

#### **Derogations as referred to in section 1.5.2.1. of Annex I.**

Hazard pictograms:



Signal word: Danger

Hazard statements:

H225: Highly Flammable liquid and vapour

H304: May be fatal if swallowed and enters airways.

H314: Causes skin burns and severe eye damage.

H350: May cause cancer.

H370: Causes damage to organs (upper respiratory tract).

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P260: Do not breathe fume and vapours.

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

P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310: Immediately call a POISON CENTER or doctor/physician.

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

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container to an approved waste disposal plant.

### **2.3 Other hazards**

Pregnant women should not be exposed to the product. The release of this product into sewers, sea, lakes and other surface waters has undesirable effects.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Section 3 - Composition/information on ingredients

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

##### Description of the mixture

1-pack polysiloxane mixture.

##### Hazardous ingredients

| CAS No.   | CE No.                 | Substance                                                    | Concentration % | Classification according to Regulation (EC) No. 1272/2008                                                                      |                                                                                                               |
|-----------|------------------------|--------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|           | REACH registration No. |                                                              |                 |                                                                                                                                |                                                                                                               |
| 1330-20-7 | 215-535-7              | Xylene<br>Index REACH No. 601-022-00-9                       | 5 - 10          | Flam. Liq. 3<br>Acute Tox. 4<br>Acute Tox. 4<br>Skin Irrit. 2                                                                  | H226<br>H332<br>H312<br>H315                                                                                  |
|           | 01-2119488216-32       |                                                              |                 |                                                                                                                                |                                                                                                               |
| 100-41-4  | 202-849-4              | Ethylbenzene<br>Index REACH No. 601-023-00-4                 | 5 - 10          | Flam. Liq. 2<br>Acute Tox. 4<br>STOT RE 2<br>Asp. Tox. 1                                                                       | H225<br>H332<br>H373<br>H304                                                                                  |
|           | 01-2119489370-35       |                                                              |                 |                                                                                                                                |                                                                                                               |
| 96-29-7   | 202-496-6              | 2-Butanone, oxime*<br>Index REACH No. 616-014-00-0           | 0,1 - 1         | Carc. 1B<br>Acute Tox. 4<br>Acute Tox. 3<br>STOT SE 3<br>STOT SE 1<br>STOT RE 2<br>Skin Irrit. 2<br>Eye Dam. 1<br>Skin Sens. 1 | H350<br>H312<br>H301<br>H336<br>H370 (upper respiratory tract)<br>H373 (blood system)<br>H315<br>H318<br>H317 |
|           | 01-2119539477-28       |                                                              |                 |                                                                                                                                |                                                                                                               |
| 919-30-2  | 213-048-4              | 3-aminopropyltriethoxysilane<br>Index REACH No. 612-108-00-0 | 0,1 - 1         | Acute Tox. 4<br>Skin Corr. 1B                                                                                                  | H302<br>H314                                                                                                  |
|           | 01-2119480479-24       |                                                              |                 |                                                                                                                                |                                                                                                               |

\*Specific Conc. Limits, M-factors and ATEs: dermal: ATE = 1,100 mg/kg bw, oral: ATE = 100 mg/kg bw

## Section 4 - First aid measures

### 4.1 Description of first aid measures

#### General information:

- Remove non-emergency personnel to safety.
- First aider: pay attention to self-protection.

#### Following inhalation:

- Immobilize victim.
- If victim faints, lie down in a stable lateral position.
- Prevent hypothermia.
- Call a doctor/physician immediately and give the exact reference of the product and these instructions.

#### Following skin contact:

- Remove contaminated clothing immediately.
- Wash skin immediately with soap and plenty of water.
- Shower immediately in case of significant contamination.
- In case of apparent skin change or pain, seek medical advice. Show these instructions and label if possible.

#### Following eye contact:

- Flush immediately with plenty of flowing water for 10 to 15 minutes. Hold eyelids apart to rinse the entire surface of the eyes and lids.
- Remove contact lenses if those can be easily removed.
- Seek medical attention if irritation persists.

#### Following ingestion:

- If victim is conscious, drink plenty of water in small sips.
- Do NOT induce vomiting.
- Call a doctor/physician immediately and give the exact reference of the product. Show these instructions and label if possible.

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

Headache, cough, irritation, breathing difficulties, spasm, etc.

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

Information is not available.

## Section 5 – Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media:

Carbon dioxide, alcohol compatible/resistant foam, dry powder or sand.

- Remove safely flammable containers from danger zone.
- Use appropriate fire extinguisher.
- Attack fire in the direction of the wind.

**Unsuitable extinguishing media:**

Strong water jet.

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

Flammable liquid.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus and appropriate protective equipment.

**Section 6 - Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- Wear personal protective equipment (see section 8).
- Avoid contact with skin, eyes and clothing.
- Do NOT breathe vapour/spray.
- Do not allow to enter drains, surface and ground water (see section 13)
- Do not drain away with water.
- Collect spillage mechanically and dispose of in accordance with regulations.
- Or soak up spillage with absorbent material like diatomite and dispose of in accordance with regulations.
- Remove any viscous deposits with a cleaning product / soap solution or any other biodegradable detergent.

**6.2 Environmental precautions**

Do not allow to enter drains, surface and ground water.

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

Do not drain away with water. Collect spillage mechanically and dispose of in accordance with regulations. Remove any viscous deposits with a cleaning product / soap solution or any other biodegradable detergent.

**6.4 Reference to other sections**

Personal protective equipment: see section 8.

Disposal considerations: see section 13.

## Section 7 - Handling and storage

### 7.1 Precautions for safe handling

- Use only outdoors or in a well-ventilated area.
- Keep away from incompatible materials listed in section 10.
- Follow the general fire precautions indicated in the workplace.

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

- Keep containers tightly closed.
- Store in a cool and well-ventilated place.
- Ensure adequate ventilation of workplace and storage area.
- Protect from sunlight.
- Keep away from water and moisture.

### 7.3 Specific end use(s)

No specific use provided except for that mentioned in section 1.2.

## Section 8 - Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 Occupational exposure limit values (OEL)

| Ingredient                   | France                |                       | Italy                 |                       | Spain                |                       |
|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|
|                              | TWA                   | STEL                  | TWA                   | STEL                  | TWA                  | STEL                  |
| Xylene                       | 221 mg/m3,<br>50 ppm  | 442 mg/m3,<br>100 ppm | 221 mg/m3,<br>50 ppm  | 442 mg/m3,<br>100 ppm | 221 mg/m3,<br>50 ppm | 442 mg/m3,<br>100 ppm |
| Ethylbenzene                 | 88.4 mg/m3,<br>20 ppm | 442 mg/m3,<br>100 ppm | 442 mg/m3,<br>100 ppm | 884 mg/m3,<br>200 ppm | 441 mg/m3,<br>100ppm | 884 mg/m3,<br>100 ppm |
| 2-Butanone, oxime            | No data available.    |                       |                       |                       |                      |                       |
| 3-aminopropyltriethoxysilane | No data available.    |                       |                       |                       |                      |                       |

| Ingredient | Netherlands            |                        | Greece               |                       | Croatia              |                       |
|------------|------------------------|------------------------|----------------------|-----------------------|----------------------|-----------------------|
|            | TWA                    | STEL                   | TWA                  | STEL                  | TWA                  | STEL                  |
| Xylene     | 210 mg/m3,<br>47.5 ppm | 430 mg/m3,<br>97.3 ppm | 435 mg/m3,<br>100ppm | 650 mg/m3,<br>150 ppm | 221 mg/m3,<br>50 ppm | 442 mg/m3,<br>100 ppm |

|                              |                                     |                                     |                                      |                                          |                                          |                                          |
|------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Ethylbenzene                 | 215 mg/m <sup>3</sup> ,<br>48.6 ppm | 430 mg/m <sup>3</sup> ,<br>97.3 ppm | 435<br>mg/m <sup>3</sup> ,<br>100ppm | 545<br>mg/m <sup>3</sup> ,<br>125<br>ppm | 442<br>mg/m <sup>3</sup> ,<br>100<br>ppm | 884<br>mg/m <sup>3</sup> ,<br>200<br>ppm |
| 2-Butanone, oxime            | No data available.                  |                                     |                                      |                                          |                                          |                                          |
| 3-aminopropyltriethoxysilane | No data available.                  |                                     |                                      |                                          |                                          |                                          |

- (1) TWA Time-weighted average (long-term exposure limit): a value in relation to an 8-hour time-weighted average reference period
- (2) STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute reference period

### 8.1.2 Control parameters

Derived No Effect Level (DNEL)

|                              |            | Workers                          |                                     |                         |                            |
|------------------------------|------------|----------------------------------|-------------------------------------|-------------------------|----------------------------|
| Component                    | Exposure   | Acute / short-term Local Effects | Acute / short-term Systemic Effects | Long-term Local Effects | Long-term Systemic Effects |
| Xylene                       | Inhalation | 442 mg/m <sup>3</sup>            | 442 mg/m <sup>3</sup>               | 221 mg/m <sup>3</sup>   | 221 mg/m <sup>3</sup>      |
|                              | Dermal     | -                                | -                                   | -                       | 212 mg/kg bw/day           |
| Ethylbenzene                 | Inhalation | 293 mg/m <sup>3</sup>            | Low risk (no limit)                 | 442 mg/m <sup>3</sup>   | 77 mg/m <sup>3</sup>       |
|                              | Dermal     | -                                | -                                   | -                       | 180 mg/kg bw/day           |
| 2-Butanone, oxime            | Inhalation | -                                | -                                   | 3.33 mg/m <sup>3</sup>  | 9 mg/m <sup>3</sup>        |
|                              | Dermal     | -                                | 2.5 mg/kg bw/day                    | -                       | 1.3 mg/kg bw/day           |
| 3-aminopropyltriethoxysilane | Inhalation | -                                | 59 mg/m <sup>3</sup>                | -                       | 59 mg/m <sup>3</sup>       |
|                              | Dermal     | -                                | 8.3 mg/kg bw/day                    | -                       | 8.3 mg/kg bw/day           |

|           |            | General population               |                                     |                         |                            |
|-----------|------------|----------------------------------|-------------------------------------|-------------------------|----------------------------|
| Component | Exposure   | Acute / short-term Local Effects | Acute / short-term Systemic Effects | Long-term Local Effects | Long-term Systemic Effects |
| Xylene    | Inhalation | 260 mg/m <sup>3</sup>            | 260 mg/m <sup>3</sup>               | 65.3 mg/m <sup>3</sup>  | 65.3 mg/m <sup>3</sup>     |



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|                              |            |   |                        |                     |                        |
|------------------------------|------------|---|------------------------|---------------------|------------------------|
|                              | Dermal     | - | -                      | -                   | 125 mg/kg bw/day       |
|                              | Oral       | - | -                      | -                   | 12.5 mg/kg bw/day      |
| Ethylbenzene                 | Inhalation | - | Low risk (no limit)    | -                   | 15 mg/m <sup>3</sup>   |
|                              | Dermal     | - | -                      | -                   | -                      |
|                              | Oral       | - | -                      | -                   | 1.6 mg/kg bw/day       |
| 2-Butanone, oxime            | Inhalation | - |                        | 2 mg/m <sup>3</sup> | 2.7 mg/m <sup>3</sup>  |
|                              | Dermal     | - | 1.5 mg/kg bw/day       | -                   | 780 µg/kg bw/day       |
|                              | Oral       | - | -                      | -                   | -                      |
| 3-aminopropyltriethoxysilane | Inhalation | - | 17.4 mg/m <sup>3</sup> | -                   | 17.4 mg/m <sup>3</sup> |
|                              | Dermal     | - | 8.3 mg/m <sup>3</sup>  | -                   | 8.3 mg/m <sup>3</sup>  |
|                              | Oral       | - | -                      | -                   | -                      |

## Predicted No-Effect Concentration (PNEC)

| Component         | Environmental protection objective | PNEC Value    |
|-------------------|------------------------------------|---------------|
| Xylene            | Freshwater                         | 327 µg/l      |
|                   | Intermittent releases (freshwater) | 327 µg/l      |
|                   | Sediment (freshwater)              | 12.46 mg/kg   |
|                   | Marine water                       | 327 µg/l      |
|                   | Sediment (marine water)            | 12.46 mg/kg   |
|                   | Soil                               | 2.31 mg/kg    |
|                   | Sewage treatment plant (STP)       | 6.58 mg/l     |
| Ethylbenzene      | Freshwater                         | 100 µg/l      |
|                   | Intermittent releases (freshwater) | 100 µg/l      |
|                   | Sediment (freshwater)              | 13.7 mg/kg    |
|                   | Marine water                       | 10 – 100 µg/l |
|                   | Sediment (marine water)            | 1.37 mg/kg    |
|                   | Soil                               | 2.38 mg/kg    |
|                   | Sewage treatment plant (STP)       | 9.6 mg/l      |
| 2-Butanone, oxime | Freshwater                         | 256 µg/l      |
|                   | Intermittent releases (freshwater) | 118 µg/l      |
|                   | Sediment (freshwater)              | -             |
|                   | Marine water                       | -             |
|                   | Sediment (marine water)            | -             |
|                   | Soil                               | -             |

|                              |                                    |           |
|------------------------------|------------------------------------|-----------|
|                              | Sewage treatment plant (STP)       | 177 mg/l  |
| 3-aminopropyltriethoxysilane | Freshwater                         | 330 µg/l  |
|                              | Intermittent releases (freshwater) | 3.3 mg/l  |
|                              | Sediment (freshwater)              | 1.2 mg/kg |
|                              | Marine water                       | 33 µg/l   |
|                              | Sediment (marine water)            | 120 µg/kg |
|                              | Soil                               | 50 µg/kg  |
|                              | Sewage treatment plant (STP)       | 13 mg/l   |

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. When using, do not eat, drink or smoke. Wash hands thoroughly before breaks and after work. Avoid any exposure for pregnant women.

### 8.2.2 Personal protective equipment

#### Eye/face protection

Use tight fitting safety goggles or face shield.

#### Hand protection

Protective gloves must be worn at all times.

Type of material (recommended for splash contact): Nitrile rubber protective gloves.

Material thickness: > 0.4 mm.

Breakthrough times of the glove material: 10-30 min.

Type of material (recommended for full contact): Butyl rubber protective gloves.

Material thickness: > 0.3 mm.

Breakthrough times of the glove material: >480 min.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the risk of cuts, abrasion and contact time. Warning: due to the many influencing factors (e.g. temperature), the duration of use of a chemical protective glove may be significantly shorter than the breakthrough times determined by the tests.

#### Skin and body protection

Wear appropriate protective clothing.

### **Respiratory protection**

Use appropriate certified respirator when exposure limits are exceeded. Appropriate respiratory protection: respiratory protection device with full mask, in accordance to European standards like NF EN 136.

Recommended filter type: anti-gas filter ABEK (certain inorganic gas and vapour, organics and acids, ammoniac/amines) compliant with recognized standards like NF EN 14387.

When exposed to vapours/aerosols, use appropriate individual respiratory protection and clothing. Appropriate respiratory protection: respiratory protection device with full mask, in accordance to European standards like NF EN 136.

Recommended filter type: combined filter ABEK-P2 (certain inorganic gas and vapour, organics and acids, ammoniac/amines, particles) compliant with recognized standards like NF EN 14387.

Observe the maximum wearing times of respiratory protection devices and the instructions of the manufacturer.



### **8.2.3 Environmental exposure controls**

Do not let product enter drains, surface and ground water.

## **Section 9 – Physical and chemical properties**

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

|                                 |                                    |
|---------------------------------|------------------------------------|
| Appearance                      | liquid                             |
| Colour                          | colourless, transparent            |
| Odour                           | solvent                            |
| Odour threshold                 | data not available                 |
| pH                              | not applicable                     |
| Melting point/freezing point    | none                               |
| Boiling point and boiling range | 136.2 – 144.4 °C                   |
| Flash point                     | 28.2 °C                            |
| Evaporation rate                | data not available                 |
| Flammability                    | not applicable                     |
| Explosive limits                | lower limit: 1.1%, upper limit: 7% |

|                                         |                                       |
|-----------------------------------------|---------------------------------------|
| Vapour pressure                         | 1,333 Pa (32 °C)                      |
| Density                                 | 0.94 – 1.04 g/ml                      |
| Solubility                              | not applicable                        |
| Partition coefficient (n-octanol/water) | not applicable                        |
| Auto-ignition temperature               | 432 °C                                |
| Decomposition temperature               | not applicable                        |
| Viscosity                               | 500 – 800 mPa.s at 23 °C (Brookfield) |
| Molecular mass                          | not usable                            |

## Section 10 – Stability and reactivity

### 10.1 Reactivity

No hazardous reaction known under normal handling and storage conditions.  
Other important information may be mentioned in other parts of this chapter.

### 10.2 Chemical stability

Stable under normal handling and storage conditions. Curation time: 5 - 60 min (20 °C)

### 10.3 Possibility of hazardous reactions

No risk of dangerous reactions under normal usage conditions.

### 10.4 Conditions to avoid

Keep away from heat and moisture.

### 10.5 Incompatible materials

Dihydrogen may be liberated when in contact with water, alcohols, acids and bases of certain metals, and thus create explosive gas in air. May react with strong oxidising agents.

### 10.6 Hazardous decomposition products

May form low molecular weight monomers such as CO and NO<sub>x</sub> and a release of dihydrogen.

## Section 11 – Toxicological information

### 11.1 Information on toxicological effects

## A. COMPONENTS

### Acute toxicity

#### [Xylene]

LD50 (oral) 3,523 mg/kg (rat)  
LC50 (inhalation) 29 mg/l/4h (rat)  
LD50 (dermal) 12,126 mg/kg (lapin)

#### [Ethylbenzene]

LD50 (oral) 3,500 mg/kg (rat)  
LC50 (inhalation) 17.2 mg/l/4h  
LD50 (dermal) 15,433 mg/kg (rabbit)

#### [2-Butanone, oxime]

LD50 (oral) 2,326 mg/kg (rat)  
LC50 (inhalation) 4.83 mg/l/4h (rat)  
LD50 (dermal) 2,702 mg/kg (rat)

#### [3-aminopropyltriethoxysilane]

LD50 (oral) 1,780 mg/kg (rat)  
LC50 (inhalation) 5 ppm - 6h (rat)  
LD50 (dermal) 4,290 mg/kg (rabbit)

## B. MIXTURE

### Acute toxicity

|                                   |                              |
|-----------------------------------|------------------------------|
| Lethal dose (oral)                | No specific data on mixture. |
| Lethal dose (dermal)              | No specific data on mixture. |
| Lethal concentration (inhalation) | No specific data on mixture. |

### Skin corrosion/irritation

|                               |                              |
|-------------------------------|------------------------------|
| Conclusion/summary on mixture | No specific data on mixture. |
|-------------------------------|------------------------------|

### Eye damage/irritation

|                               |                              |
|-------------------------------|------------------------------|
| Conclusion/summary on mixture | No specific data on mixture. |
|-------------------------------|------------------------------|

### Skin sensitization/Sensitization to the respiratory tract

|                               |                              |
|-------------------------------|------------------------------|
| Conclusion/summary on mixture | No specific data on mixture. |
|-------------------------------|------------------------------|

### Germ cell mutagenicity

|                               |                              |
|-------------------------------|------------------------------|
| Conclusion/summary on mixture | No specific data on mixture. |
|-------------------------------|------------------------------|

### Carcinogenicity

|                               |                              |
|-------------------------------|------------------------------|
| Conclusion/summary on mixture | No specific data on mixture. |
|-------------------------------|------------------------------|

### Reproductive toxicity

|                               |                              |
|-------------------------------|------------------------------|
| Conclusion/summary on mixture | No specific data on mixture. |
|-------------------------------|------------------------------|

### Specific target organ toxicity - single exposure

|                               |                              |
|-------------------------------|------------------------------|
| Conclusion/summary on mixture | No specific data on mixture. |
|-------------------------------|------------------------------|

### Specific target organ toxicity - repeated exposure

Conclusion/summary on mixture      No specific data on mixture.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**11.2 Further information**

Other adverse effects: central nervous system depression, nausea, migraine, vomiting, ataxia, shivers. Other dangerous properties cannot be excluded.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Section 12 – Ecological information**

**12.1 Toxicity**

**A. COMPONENTS**

|                              |                                                                                                                                                                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Xylene                       | <p>Fish (<i>Oncorhynchus mykiss</i>) LC50 – 2.60 mg/l – 96h – static</p> <p>Algae (<i>Pseudokirchneriella subcapitata</i>) – EC50 – 4.36 mg/l – 73h - static</p> <p>Bacterium (<i>Pseudomonas putida</i>) – EC50 – 43 mg/l – 5.75h - static</p>                                                                        |
| Ethylbenzene                 | <p>Fish (<i>Oncorhynchus mykiss</i>) LC50 – 4.20 mg/l – 96h</p> <p>Daphnia (<i>Daphnia magna</i>) – EC50 – 1.8-2.4 mg/l – 48h - static</p> <p>Algae (<i>Skeletonema costatum</i>) – EC50 – 4.9 mg/l – 72h - static</p>                                                                                                 |
| 2-Butanone, oxime            | <p>Fish (<i>Oryzias latipes</i>) LC50 – &gt;100 mg/l – 96h – semi-static</p> <p>Daphnia (<i>Daphnia magna</i>) – EC50 – 201 mg/l – 48h - static</p> <p>Algae (<i>Scenedesmus capricornutum</i>) – EC50 – 11.8 mg/l – 72h - static</p>                                                                                  |
| 3-aminopropyltriethoxysilane | <p>Zebra fish (<i>Danio rerio</i>) LC50 – 934 mg/l – 96h – semi-static</p> <p>Daphnia (<i>Daphnia magna</i>) – EC50 – 331 mg/l – 48h - static</p> <p>Algae (<i>Desmodesmus subspicatus</i>) – EC50r – &gt;1,000 mg/l – 72h – static</p> <p>Bacterium (<i>Pseudomonas putida</i>) – EC50 – 43 mg/l – 5.75h - static</p> |

**B. MIXTURE**

No data available.

**12.2 Persistence and degradability****A. COMPONENTS**

|                              |                                                                                        |
|------------------------------|----------------------------------------------------------------------------------------|
| Xylene                       | No data available.                                                                     |
| Ethylbenzene                 | Aerobic biodegradability – Exposure time 28d<br>Result: 70-80%: Readily biodegradable  |
| 2-Butanone, oxime            | No data available.                                                                     |
| 3-aminopropyltriethoxysilane | Aerobic biodegradability – Exposure time 28d<br>Result: 67%: not readily biodegradable |

**B. MIXTURE**

No data available.

**12.3 Bioaccumulative potential****A. COMPONENTS**

|                              |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| Xylene                       | Bioconcentration factor (BCF) – 25.9                                               |
| Ethylbenzene                 | Bioconcentration factor (BCF) – 110 l/kg                                           |
| 2-Butanone, oxime            | Cyprinus carpio (Carp) – 42d – 2 mg/l<br>Bioconcentration factor (BCF) – 0.5 – 0.6 |
| 3-aminopropyltriethoxysilane | Cyprinus carpio (Carp) – 8 weeks – 5 mg/l<br>Bioconcentration factor (BCF) – 3.4   |

**B. MIXTURE**

No data available.

**12.4 Mobility in soil****A. COMPOSANTS**

|                              |                    |
|------------------------------|--------------------|
| Xylene                       | No data available. |
| Ethylbenzene                 | No data available. |
| 2-Butanone, oxime            | No data available. |
| 3-aminopropyltriethoxysilane | No data available. |

**B. MIXTURE**

No data available.

**12.5 Results of PBT & vPvB assessment****A. COMPONENTS**

|                   |                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------|
| Xylene            | Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB). |
| Ethylbenzene      |                                                                                                                            |
| 2-Butanone, oxime |                                                                                                                            |

|                              |  |
|------------------------------|--|
| 3-aminopropyltriethoxysilane |  |
|------------------------------|--|

**B. MIXTURE**

No data available.

**12.6 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effect**

None.

**Section 13 – Disposal considerations****13.1 Waste treatment methods**

Dispose of product and container as hazardous waste. Dispose in accordance with European directives on waste and hazardous waste. Dispose of in accordance with local regulations. Keep in original container. Handle empty containers carefully, as residual vapours are flammable.

**Product/packaging disposal**

Dispose of contents and container to an approved waste disposal plant for hazardous waste. Do not release to sewage system. Empty containers contain product residue (liquid or vapor) and may be dangerous. Handle contaminated packages in the same way as the substance itself. Keep product and empty container away from heat and ignition sources.

**Waste Disposal Legislation Ref.No. (EC)**

Dispose of containers contaminated by the product in accordance with local or national legal provisions. The European Waste Catalogue (2000/532/EC) classification of this product. Waste codes / waste designations according to LoW: 08 01 11\* Waste paint and varnish containing organic solvents or other hazardous substances. If this product is mixed with other wastes, the original waste product code may no longer apply, and the appropriate code should be assigned. For further information contact your local waste authority. Waste should not be disposed of by release to sewers. Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers.

Containers which are not properly cleaned may contain (highly) flammable or explosive vapours.



Special precautions: Use appropriate protective equipment for the removal and / or disposal of this product.

**HP Codes:** HP3, HP4, HP5, HP7, HP8.

## Section 14 – Transport information

|                                        | ADR/RID                                                                                | IMDG                                                                                     | IATA                                                                                     |
|----------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>14.1 UN number</b>                  | UN1263                                                                                 | UN1263                                                                                   | UN1263                                                                                   |
| <b>14.2 UN proper shipping name</b>    | PAINT                                                                                  | PAINT                                                                                    | PAINT                                                                                    |
| <b>14.3 Transport hazard class(es)</b> | <br>3 | <br>3 | <br>3 |
| <b>14.4 Packing group</b>              | III                                                                                    | III                                                                                      | III                                                                                      |
| <b>14.5 Environmental hazard</b>       | No                                                                                     | No                                                                                       | No                                                                                       |

Hazchem code: -

### 14.6 Special precautions for user

Transport with local users: always transport in packaging that is correct and secure. Ensure that persons transporting the product are aware of the measures to be taken if an accident occurs or in case of accidental release.

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not available.

## Section 15 – Regulatory information

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

Observe EU and national regulations. For labelling information, please refer to section 2.

Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III): Not applicable.

### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out by the manufacturer for this product.

## Section 16 – Other information

**Product**

The information provided in this document is based on our knowledge at the date of its publication.

The properties of the product described do not constitute a warranty in the legal sense of the term. The provision of this document does not release the purchaser of the product from his responsibility to comply with legislations and regulations in force for this product. This statement applies for the resale and distribution of the product, or of substances or goods containing this product, in other jurisdictions and having regard to the industrial and commercial property rights of third parties. If the product described is transformed or mixed with other substances or materials, the information contained in this document may not be valid for the new product thus manufactured, unless explicitly mentioned. In case of repackaging of the product, the customer is required to provide the required safety information.

**Legend**

|         |                                                                                                                                                   |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| CAS     | Chemical Abstracts Service                                                                                                                        |
| ppm     | part per million                                                                                                                                  |
| LD50    | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval                  |
| LC50    | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| EC50    | Effective Concentration 50%                                                                                                                       |
| vPvB    | very Persistent and very Bioaccumulative                                                                                                          |
| WEL     | Workplace Exposure Limit                                                                                                                          |
| PBT     | Persistent, Bioaccumulative and Toxic                                                                                                             |
| DNEL    | Derived No-Effect Level                                                                                                                           |
| PNEC    | Predicted No-Effect Concentration                                                                                                                 |
| REACH   | Regulation on Registration, Evaluation, Authorisation and Restriction of Chemical                                                                 |
| CLP     | Regulation on Classification, Labelling and Packaging of substances and mixtures                                                                  |
| ADR/RID | European Agreement concerning the International Carriage of Dangerous Goods by Road                                                               |
| IMDG    | International Maritime Dangerous Goods Code                                                                                                       |
| IATA    | International Air Transport Association                                                                                                           |

|             |                  |
|-------------|------------------|
| Flam. Liq.  | Flammable liquid |
| Acute Tox.  | Acute toxicity   |
| Skin Irrit. | Skin irritation  |

|            |                                                    |
|------------|----------------------------------------------------|
| STOT RE    | Specific target organ toxicity - repeated exposure |
| Asp. Tox.  | Aspiration hazard                                  |
| Carc.      | Carcinogenicity                                    |
| Eye Dam.   | Serious eye damage/eye irritation                  |
| Skin Sens. | Respiratory/skin sensitization                     |
| Skin Corr. | Skin corrosion                                     |