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

### 1.1 Product identifier

Trade name : SCB 84K 0,125L ultra cherry

Product code : 000000002050009960

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

Use of the Substance/Mixture : Basecoat product
Spraying

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

**Company:**
Surventis S.A.S.
Z.I de Breuil-Le-Sec, Rue André Pommery
60480 Breuil-Le-Sec
France
anciennement dénommée BASF Coatings France SAS

**Contact address:**
Surventis Services (Pty.) Ltd.
16th Road 852
1685 Midrand
South Africa
Formerly known as BASF Coatings Services (Pty.) Ltd.

Telephone: +27 11 203 2400
E-mail address: Product-Stewardship-EMEA@basf.com

### 1.4 Emergency telephone

Local: 080 001 4676 (english)
International: +44 20 3885 0382 (multilingual)
National emergency number: +27 11 203 2420

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

| | |
|---|---|
| Flammable liquids, Category 3 | H226: Flammable liquid and vapor. |
| Skin irritation, Category 2 | H315: Causes skin irritation. |
| Serious eye damage, Category 1 | H318: Causes serious eye damage. |
| Skin sensitization, Category 1 | H317: May cause an allergic skin reaction. |

| | |
|---|---|
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness. |
| Very persistent and very mobile | EUH451: Can cause very long-lasting and diffuse contamination of water resources. |

### 2.2 Label elements

**Labeling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal Word : Danger

Hazard Statements :

| | |
|---|---|
| H226 | Flammable liquid and vapor. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H336 | May cause drowsiness or dizziness. |
| EUH451 | Can cause very long-lasting and diffuse contamination of water resources. |

Precautionary Statements :

**Prevention:**

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing mist or vapors. |
| P280 | Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. |

**Response:**

| | |
|---|---|
| P305 + P351 + P338 + P310 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. |
| P370 + P378 | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. |

Hazardous ingredients which must be listed on the label:

1-methoxy-2-propanol
2-methoxy-1-methylethylacetate
2,4,7,9-Tetramethyldec-5-yne-4,7-diol
2-dimethylaminoethanol

### 2.3 Other hazards

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.
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : polyurethane
pigment
organic solvent
inorganic compounds

**Components**

| Chemical name | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification | Concentration (% w/w) |
|---|---|---|---|
| 1-methoxy-2-propanol | 107-98-2<br>203-539-1<br>603-064-00-3<br>01-2119457435-35-0032<br>01-2119457435-35-0036<br>01-2119457435-35-0033 | Flam. Liq. 3; H226<br>STOT SE 3; H336 (Central nervous system) | >= 20 - < 25 |
| 2-methoxy-1-methylethylacetate | 108-65-6<br>203-603-9<br>607-195-00-7<br>01-2119475791-29-0045<br>01-2119475791-29-0044 | Flam. Liq. 3; H226<br>STOT SE 3; H336 (Central nervous system) | >= 12,5 - < 15 |
| 2-butoxyethanol | 111-76-2<br>203-905-0<br>603-014-00-0 | Acute Tox. 4; H302<br>Acute Tox. 3; H331<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319 | >= 1 - < 2 |
| 2,4,7,9-Tetramethyldec-5-yne-4,7-diol | 126-86-3<br>204-809-1 | Eye Dam. 1; H318<br>Skin Sens. 1B; H317<br>Aquatic Chronic 3; H412<br>vPvMEUH451 | >= 1 - < 2 |

| | | | |
|---|---|---|---|
| 2-dimethylaminoethanol | 108-01-0<br>203-542-8<br>603-047-00-0 | Flam. Liq. 3; H226<br>Acute Tox. 4; H302<br>Acute Tox. 3; H331<br>Acute Tox. 4; H312<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>STOT SE 3; H335 (Respiratory system)<br>_____<br>specific concentration limit<br>STOT SE 3; H335<br>>= 5 % | >= 1 - < 2 |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

General advice : If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).
In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
Move out of dangerous area.
First aid personnel should pay attention to their own safety.
Immediately remove contaminated clothing.

If inhaled : If breathed in, move person into fresh air.
If breathing is irregular or stopped, administer artificial respiration.
If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If symptoms persist, call a physician.
Do NOT use solvents or thinners.

In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
Call a physician immediately.
If easy to do, remove contact lens, if worn.

If swallowed : Rinse mouth.

Do NOT induce vomiting.
If symptoms persist, call a physician.

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

Symptoms : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Risks : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause drowsiness or dizziness.

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

Treatment : Treat symptomatically.
After skin contact, treat the affected area with a potent topical corticosteroid preparation (e.g., betamethasone 0.1%).

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Dry powder

Carbon dioxide (CO2)

Water spray
Foam

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.

Further information : Cool containers/tanks with water spray.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing vapours.
For non-emergency personnel:
Use personal protective equipment.
Ensure adequate ventilation, especially in confined areas.
Keep away from sources of ignition.
For emergency responders:
Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

### 6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.
If the product contaminates rivers and lakes or drains inform respective authorities.
Avoid subsoil penetration.

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

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Ensure adequate ventilation.

### 6.4 Reference to other sections

For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapors or spray mist.
Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with the skin, eyes and clothing.
The workplace should be equipped with an emergency shower and eye-rinsing facility.
When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the

exposure limits.
Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.
Do not return residues to the storage containers.
Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted. Use explosion-proof equipment.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely.
Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

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

Further information on storage conditions : Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Packaging material : Suitable material: Low density polyethylene (LDPE), Polypropylene, Stainless steel 1.4301 (V2), Polyethylenetherephtalate (PET), Aluminum, glass, High density polyethylene (HDPE), tinned carbon steel (Tinplate), Carbon steel (Iron)

### 7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational Exposure Limits**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|---|---|---|---|---|
| 1-methoxy-2- | 107-98-2 | STEL | 150 ppm | 2000/39/EC |

| | | | | |
|---|---|---|---|---|
| propanol | | | 568 mg/m3 | |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | TWA | 100 ppm<br>375 mg/m3 | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | OEL-RL | 100 ppm | ZA OEL |
| | Further information: danger of cutaneous absorption, Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents | | | |
| | | OEL- RL STEL/C | 200 ppm | ZA OEL |
| | Further information: danger of cutaneous absorption, Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents | | | |
| | | STEL | 150 ppm<br>568 mg/m3 | 2000/39/EC |
| | | TWA | 100 ppm<br>375 mg/m3 | 2000/39/EC |
| 2-methoxy-1-methylethylacetate | 108-65-6 | STEL | 100 ppm<br>550 mg/m3 | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | TWA | 50 ppm<br>275 mg/m3 | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | STEL | 100 ppm<br>550 mg/m3 | 2000/39/EC |
| | | TWA | 50 ppm<br>275 mg/m3 | 2000/39/EC |
| diiron trioxide | 1309-37-1 | OEL-RL (respirable fraction, fume) | 10 mg/m3<br>(Iron) | ZA OEL |
| | Further information: Occupational Exposure Limits - Restricted Limits For Hazardous Chemical Agents | | | |
| 2-butoxyethanol | 111-76-2 | TWA | 20 ppm<br>98 mg/m3 | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | STEL | 50 ppm<br>246 mg/m3 | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | OEL- ML | 40 ppm | ZA OEL |
| | Further information: Occupational Exposure Limits - Maximum Limits For Hazardous Chemical Agents | | | |
| | | TWA | 20 ppm<br>98 mg/m3 | 2000/39/EC |
| | | STEL | 50 ppm<br>246 mg/m3 | 2000/39/EC |

**Biological occupational exposure limits**

| Substance name | CAS-No. | Control parameters | Sampling time | Basis |
|---|---|---|---|---|
| 2-butoxyethanol | 111-76-2 | Butoxyacetic acid (BAA): 200 mg/g creatinine (Urine) | End of shift | ZA BEI |

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

| Substance name | End Use | Routes of exposure | Potential health effects | Value |
|---|---|---|---|---|
| 1-methoxy-2-propanol | Workers | Inhalation | Long-term systemic effects | 369 mg/m3 |
| | Workers | Inhalation | Local effects, Systemic effects, Short-term exposure | 553,5 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 183 mg/kg |
| 2-methoxy-1-methylethylacetate | Workers | Inhalation | Long-term systemic effects | 275 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 796 mg/kg |
| | Workers | Inhalation | Acute local effects | 550 mg/m3 |
| diiron trioxide | Workers | Inhalation | Local effects, Systemic effects, Long-term exposure | 10 mg/m3 |
| 2-butoxyethanol | Workers | Inhalation | Long-term systemic effects | 98 mg/m3<br>20 ppm |
| | Workers | Inhalation | Acute systemic effects | 1091 mg/m3 |
| | Workers | Inhalation | Acute local effects | 246 mg/m3 |
| 2,4,7,9-Tetramethyldec-5-yne-4,7-diol | Workers | Dermal | Long-term systemic effects | 0,812 mg/kg |
| | Workers | Inhalation | Long-term systemic effects | 2,86 mg/m3 |
| 2-dimethylaminoethanol | Workers | Inhalation | Acute local effects | 13,53 mg/m3 |
| | Workers | Inhalation | Local effects, Systemic effects, Long-term exposure | 1,76 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 0,25 mg/kg |
| | Workers | Dermal | Acute systemic effects | 1,2 mg/kg |
| | Workers | Inhalation | Acute systemic effects | 5,28 mg/m3 |
| | Workers | Dermal | Acute local effects | 0,1 mg/cm2 |

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006**

| Substance name | Environmental Compartment | Value |
|---|---|---|
| 1-methoxy-2-propanol | Fresh water | 10 mg/l |
| | Sea water | 1 mg/l |
| | sediment (freshwater) | 41,6 mg/kg |
| | Soil | 2,47 mg/kg |
| | sediment (marine water) | 4,17 mg/kg |
| 2-methoxy-1-methylethylacetate | Fresh water | 0,635 mg/l |
| | Sea water | 0,0635 mg/l |
| | sediment (freshwater) | 3,29 mg/kg |
| | sediment (marine water) | 0,329 mg/kg |
| | Soil | 0,29 mg/kg |
| Silicon dioxide | Fresh water | 10 mg/l |
| | Sea water | 1 mg/l |
| 2-butoxyethanol | Fresh water | 8,8 mg/l |
| | Sea water | 0,88 mg/l |
| | sediment (freshwater) | 34,6 mg/kg |
| | sediment (marine water) | 3,46 mg/kg |
| | Soil | 2,33 mg/kg |
| 2,4,7,9-Tetramethyldec-5-yne-4,7-diol | Fresh water | 0,04 mg/l |
| | Sea water | 0,004 mg/l |
| | sediment (freshwater) | 0,32 mg/kg |
| | sediment (marine water) | 0,032 mg/kg |
| | Soil | 0,028 mg/kg |
| 2-dimethylaminoethanol | Fresh water | 0,066 mg/l |
| | Sea water | 0,004 mg/l |
| | sediment (freshwater) | 0,246 mg/kg |
| | sediment (marine water) | 0,015 mg/kg |
| | Soil | 0,01 mg/kg |

**8.2 Exposure controls**

**Engineering measures**

Ensure adequate ventilation.

**Personal protective equipment**

Eye/face protection : Required when there is a risk of eye contact.
Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Hand protection
Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.
butyl rubber gloves - material thickness: 0.5 mm
Further information on penetration time is available from the manufacturer of the glove.
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Request information on glove permeation properties from the

| | | |
|---|---|---|
| | | glove supplier.<br>Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.<br>Preventive skin protection<br>Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)<br>Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):<br>Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1) |
| Skin and body protection | : | Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.<br>chemical-resistant disposable coveralls |
| Respiratory protection | : | Suitable respiratory equipment:<br>half-mask with A1P2 class combination filter<br>In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.<br>When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |
| Protective measures | : | Do not breathe vapour/spray.<br>Eye wash fountains and safety showers must be easily accessible.<br><br>If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.<br><br>Avoid contact with the skin, eyes and clothing.<br>Handle in accordance with good industrial hygiene and safety practice. |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | liquid |
| Form | : | liquid |
| Color | : | red |
| Odor | : | aromatic |
| Odor Threshold | : | not determined |

| | | |
|---|---|---|
| pH | : | 7,0 - 8,0 |
| Melting point/freezing point | : | not determined |
| Boiling point/boiling range | : | 119,00 - 129,00 °C |
| Flash point | : | 31 °C<br>Method: Standard Method of Test for Flash Point by Setaflash Closed Tester |
| Evaporation rate | : | not determined |
| Flammability | : | Flammable liquid and vapour. |
| Sustained combustibility | : | Sustains combustibility: yes |
| Upper explosion limit / Upper flammability limit | : | not determined |
| Lower explosion limit / Lower flammability limit | : | not determined |
| Vapor pressure | : | 53,0 hPa (50 °C)<br>10,0 hPa (20 °C) |
| Density | : | 1,205 g/cm3 (20 °C) |
| Solubility(ies)<br>Water solubility | :<br>: | <br>not determined |
| Partition coefficient: n-octanol/water | : | not applicable for mixtures |
| Autoignition temperature | : | not determined |
| Decomposition temperature | : | No decomposition if stored and handled as prescribed/indicated. |
| Viscosity<br>Viscosity, kinematic | :<br>: | <br>305,0 mm2/s (23 °C)<br>not determined (40 °C) |
| Flow time | : | 46 s at 23 °C<br>Cross section: 6 mm<br>Method: ISO 2431 |
| Explosive properties | : | Not explosive |

| | | |
|---|---|---|
| Oxidizing properties | : | The substance or mixture is not classified as oxidizing. |

**9.2 Other information**

| | | |
|---|---|---|
| Self-heating substances | : | The substance or mixture is not classified as self heating. |
| Metal corrosion rate | : | Not corrosive to metals. |
| Particle size | : | The substance / product is marketed or used in a non solid or granular form. |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

| | | |
|---|---|---|
| Hazardous reactions | : | Vapours may form ignitable mixture with air. |

**10.4 Conditions to avoid**

| | | |
|---|---|---|
| Conditions to avoid | : | Avoid direct sunlight.<br>Heat, flames and sparks. |

**10.5 Incompatible materials**

| | | |
|---|---|---|
| Materials to avoid | : | Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. |

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects**

**Acute toxicity**

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

**Product:**

| | | |
|---|---|---|
| Acute oral toxicity | : | Acute toxicity estimate: > 2.000 mg/kg<br>Method: Calculation method |

| | | |
|---|---|---|
| Acute inhalation toxicity | : | Acute toxicity estimate: > 20 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapor<br>Method: Calculation method |
| Acute dermal toxicity | : | Acute toxicity estimate: > 2.000 mg/kg<br>Method: Calculation method |

**Components:**

**2-butoxyethanol:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (guinea pig): 1.200 mg/kg |

**2-dimethylaminoethanol:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat): 1.183 mg/kg |
| Acute inhalation toxicity | : | LC50 (Rat): 6,1 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapor |
| Acute dermal toxicity | : | LD50 (Rabbit): 1.219 mg/kg |

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

| | | |
|---|---|---|
| Remarks | : | The liquid splashed in the eyes may cause irritation and reversible damage. |

**Respiratory or skin sensitization**

**Skin sensitization**

May cause an allergic skin reaction.

**Respiratory sensitization**

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

**Germ cell mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

**STOT-single exposure**

May cause drowsiness or dizziness.

**STOT-repeated exposure**

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

**Aspiration toxicity**

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

**Further information**

**Product:**

| | | |
|---|---|---|
| Remarks | : | Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. |

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

**Components:**

**1-methoxy-2-propanol:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: -0,43 (25 °C)<br>GLP: no<br>Remarks: Information taken from reference works and the literature. |

**2-methoxy-1-methylethylacetate:**

| | | |
|---|---|---|
| Partition coefficient: n- | : | log Pow: 1,2 (20 °C) |

| | | |
|---|---|---|
| octanol/water | | pH: 6,8<br>Method: OECD Test Guideline 117<br>GLP: yes |

**2-butoxyethanol:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: 0,81 (25 °C)<br>GLP: no |

**2,4,7,9-Tetramethyldec-5-yne-4,7-diol:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: 2,64 |

**2-dimethylaminoethanol:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | log Pow: -0,55 (23 °C) |

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

| | | |
|---|---|---|
| Assessment | : | 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. |

### 12.6 Other adverse effects

**Product:**

| | | |
|---|---|---|
| Endocrine disrupting potential | : | 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. |
| Additional ecological information | : | Avoid release to the environment. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

| | | |
|---|---|---|
| Product | : | Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements. |
| Contaminated packaging | : | Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC |

Packaging that is not properly emptied must be disposed of as the unused product.

Waste Code : 08 01 11, waste paint and varnish containing organic solvents or other hazardous substances

## SECTION 14: Transport information

### 14.1 UN number

**UNRTDG** : UN 1263

**IMDG** : UN 1263

**IATA** : UN 1263

### 14.2 UN proper shipping name

**UNRTDG** : PAINT

**IMDG** : PAINT

**IATA** : PAINT

### 14.3 Transport hazard class(es)

| | Class | Subsidiary risks |
|---|---|---|
| **UNRTDG** | 3 | |
| **IMDG** | 3 | |
| **IATA** | 3 | |

### 14.4 Packing group

**UNRTDG**

Packing group : III
Labels : 3

**IMDG**

Packing group : III
Labels : 3
EmS Code : F-E, S-E

**IATA (Cargo)**

Packing instruction (cargo aircraft) : 366
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

**IATA (Passenger)**

Packing instruction (passenger aircraft) : 355
Packing instruction (LQ) : Y344

| | | |
|---|---|---|
| Packing group | : | III |
| Labels | : | Flammable liquid |

**14.5 Environmental hazards**

**UNRTDG**

| | | |
|---|---|---|
| Environmentally hazardous | : | no |

**IMDG**

| | | |
|---|---|---|
| Marine pollutant | : | no |

**14.6 Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

| | | |
|---|---|---|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered:<br>Number on list 3<br><br>Number on list 75 |
| REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). | : | Not applicable |
| Regulation (EU) No 2024/590 on substances that deplete the ozone layer | : | Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : | Not applicable |
| REACH - List of substances subject to authorisation (Annex XIV) | : | Not applicable |

| | | |
|---|---|---|
| Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. | P5c | FLAMMABLE LIQUIDS |

| | | |
|---|---|---|
| Volatile organic compounds | : | Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)<br>Volatile organic compounds (VOC) content: 41,15 %<br><br>Volatile organic compounds (VOC) content: 495,85 g/l<br>VOC content excluding water |

**Other regulations:**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.
Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.
Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

## SECTION 16: Other information

**Full text of H-Statements**

| | | |
|---|---|---|
| EUH451 | : | Can cause very long-lasting and diffuse contamination of water resources. |
| H226 | : | Flammable liquid and vapor. |
| H302 | : | Harmful if swallowed. |
| H312 | : | Harmful in contact with skin. |
| H314 | : | Causes severe skin burns and eye damage. |
| H315 | : | Causes skin irritation. |
| H317 | : | May cause an allergic skin reaction. |
| H318 | : | Causes serious eye damage. |
| H319 | : | Causes serious eye irritation. |
| H331 | : | Toxic if inhaled. |
| H335 | : | May cause respiratory irritation. |
| H336 | : | May cause drowsiness or dizziness. |
| H412 | : | Harmful to aquatic life with long lasting effects. |

**Full text of other abbreviations**

| | | |
|---|---|---|
| Acute Tox. | : | Acute toxicity |
| Aquatic Chronic | : | Long-term (chronic) aquatic hazard |
| Eye Dam. | : | Serious eye damage |
| Eye Irrit. | : | Eye irritation |
| Flam. Liq. | : | Flammable liquids |
| Skin Corr. | : | Skin corrosion |
| Skin Irrit. | : | Skin irritation |
| Skin Sens. | : | Skin sensitization |
| STOT SE | : | Specific target organ toxicity - single exposure |
| vPvM | : | Very persistent and very mobile |
| 2000/39/EC | : | Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| ZA BEI | : | South Africa. The Regulations for Hazardous Chemical Agents, Biological Exposure Indices |
| ZA OEL | : | South Africa. The Regulations for Hazardous Chemical Agents, Occupational Exposure Limits |
| 2000/39/EC / TWA | : | Limit Value - eight hours |

| | | |
|---|---|---|
| 2000/39/EC / STEL | : | Short term exposure limit |
| ZA OEL / OEL- ML | : | Occupational Exposure Limit Maximum limit - 8- hour exposure or equivalent (12 hour shifts). |
| ZA OEL / OEL-RL | : | Occupational Exposure Limit Restricted limit - 8- hour exposure or equivalent (12 hour shifts) |
| ZA OEL / OEL- RL STEL/C | : | Occupational Exposure Limit Restricted limit - Short term occupational exposure limits / ceiling limits |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

| | | |
|---|---|---|
| Other information | : | Restricted to professional users.<br>For multi-pack systems observe material safety data sheets of all components. |

| **Classification of the mixture:** | | **Classification procedure:** |
|---|---|---|
| Flam. Liq. 3 | H226 | Based on product data or assessment |
| Skin Irrit. 2 | H315 | Calculation method |

| | | |
|---|---|---|
| Eye Dam. 1 | H318 | Calculation method |
| Skin Sens. 1 | H317 | Calculation method |
| STOT SE 3 | H336 | Calculation method |
| vPvM | EUH451 | Calculation method |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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