

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## TESSAROL VARNISH

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: 22.10.2020  |
| 1.1     | 22.07.2021     | MAT0GA00_033 | Date of first issue: 22.10.2020 |
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product code : Please see section 16 for detailed data

Trade name : TESSAROL VARNISH

Unique Formula Identifier (UFI) : CY91-10R3-400H-DKV0

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

Use of the Substance/Mixture : SU19 Building and construction work  
Professional and consumer use of coatings, Roller application or brushing, Non industrial spraying  
PC9a Coatings and paints, thinners, paint removers

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

Company : Helios TBLUS d.o.o.  
Količevo 65  
1230 Domžale  
Slovenia

Telephone Company : 386 (1) 722 4383

Telefax Company : 386 (1) 722 4310

Responsible/issuing person : 386 (1) 722 4383  
productsafety@helios.si

#### 1.4 Emergency telephone number

Call 999 for emergency medical attention

professionals only: National Poison Information Service (NPIS) 24h national number 0844 892 0111

consumer: National Health Service (NHS) 24h national number, England & Scotland 111

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### 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 vapour.

Specific target organ toxicity - single exposure, Category 3, Central nervous system

H336: May cause drowsiness or dizziness.

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### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

#### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P271 Use only outdoors or in a well-ventilated area.

#### Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Storage:

P405 Store locked up.

#### Disposal:

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

#### Hazardous components which must be listed on the label:

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics  
1-methoxy-2-propanol

#### Additional Labelling

EUH208 Contains Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine. May produce an allergic reaction.

### 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.

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.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

##### Components

| Chemical name  | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number                    | Classification   | Concentration<br>(% w/w) |
|--|--|--|--------------------------|
| hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics   | 64742-48-9<br>919-857-5<br>01-2119463258-33                              | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>(Central nervous system)<br>Asp. Tox. 1; H304   | >= 30 - < 50             |
| reaction mixture of ethylbenzene, m-xylene and p-xylene  | -<br>905-562-9<br>01-2119555267-33                                       | Flam. Liq. 3; H226<br>Acute Tox. 4; H332<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335<br>(Respiratory system)<br>STOT RE 2; H373<br>Asp. Tox. 1; H304 | >= 1 - < 10              |
| 1-methoxy-2-propanol   | 107-98-2<br>203-539-1<br>603-064-00-3<br>01-2119457435-35                | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>(Central nervous system)  | >= 1 - < 10              |
| hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics   | -<br>01-2119457273-39  | Asp. Tox. 1; H304  | >= 1 - < 10              |
| fatty acids, C18, unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine | 162627-17-0<br>01-2119970640-38  | Skin Sens. 1; H317   | >= 0,1 - < 1             |
| Hexanoic acid, 2-ethyl-, zinc salt, basic  | 85203-81-2<br>286-272-3<br>01-2119979093-30                              | Eye Irrit. 2; H319<br>Repr. 2; H361d<br>Aquatic Chronic 3; H412  | >= 0,1 - < 0,25          |
| strontium bis(2-ethylhexanoate)  | 2457-02-5<br>219-536-3   | Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Repr. 2; H361d<br>Asp. Tox. 1; H304   | >= 0,1 - < 1             |
| Substances with a workplace exposure limit :   |  |  |                          |
| Silicon dioxide  | 7631-86-9<br>231-545-4<br>01-2119379499-16<br>(covered by CAS 7631-86-9) |  | >= 1 - < 10              |

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- |                         |   |
|-------------------------|---|
| General advice          | : Move out of dangerous area.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.  |
| If inhaled              | : Consult a physician after significant exposure.<br>If unconscious, place in recovery position and seek medical advice.  |
| In case of skin contact | : If skin irritation persists, call a physician.<br>If on skin, rinse well with water.<br>If on clothes, remove clothes.  |
| In case of eye contact  | : Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.                                   |
| If swallowed            | : Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital. |

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

- |       |                                      |
|-------|--------------------------------------|
| Risks | : May cause drowsiness or dizziness. |
|-------|--------------------------------------|

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

- |           |                          |
|-----------|--------------------------|
| Treatment | : Treat symptomatically. |
|-----------|--------------------------|

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- |                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical |
| Unsuitable extinguishing media | : High volume water jet   |

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

- |                                       |   |
|---------------------------------------|---|
| Specific hazards during fire-fighting | : Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion prod-            | : No hazardous combustion products are known.                               |

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### 5.3 Advice for firefighters

- Special protective equipment : In the event of fire, wear self-contained breathing apparatus. for firefighters
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

## SECTION 6: Accidental release measures

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

- Personal precautions : Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

- Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

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

- Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the ap-

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- plication area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

- Specific use(s) : For further information, refer to the product technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components                                   | CAS-No.     | Value type (Form of exposure) | Control parameters             | Basis      |
|--|-------------|-------------------------------|--------------------------------|------------|
| Silicon dioxide                              | 7631-86-9   | TWA (Respirable dust)         | 0,1 mg/m <sup>3</sup>          | 2004/37/EC |
| Further information: Carcinogens or mutagens |             |                               |                                |            |
|  |             | TWA (inhalable dust)          | 6 mg/m <sup>3</sup> (Silica)   | GB EH40    |
|  |             | TWA (Respirable dust)         | 2,4 mg/m <sup>3</sup> (Silica) | GB EH40    |
| silica gel                                   | 112926-00-8 | TWA (inhalable dust)          | 6 mg/m <sup>3</sup> (Silica)   | GB EH40    |
|  |             | TWA (Respirable dust)         | 2,4 mg/m <sup>3</sup> (Silica) | GB EH40    |
| reaction mixture of                          | 1330-20-7   | TWA                           | 50 ppm                         | 2000/39/EC |

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|                                     |  |      |                                  |            |
|-------------------------------------|--|------|----------------------------------|------------|
| ethylbenzene, m-xylene and p-xylene |  |      | 221 mg/m <sup>3</sup>            |            |
|                                     | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |      |                                  |            |
|                                     |  | STEL | 100 ppm<br>442 mg/m <sup>3</sup> | 2000/39/EC |
|                                     | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |      |                                  |            |
|                                     |  | TWA  | 50 ppm<br>220 mg/m <sup>3</sup>  | GB EH40    |
|                                     | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |            |
|                                     |  | STEL | 100 ppm<br>441 mg/m <sup>3</sup> | GB EH40    |
|                                     | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |            |
| 1-methoxy-2-propanol                | 107-98-2   | TWA  | 100 ppm<br>375 mg/m <sup>3</sup> | 2000/39/EC |
|                                     | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |      |                                  |            |
|                                     |  | STEL | 150 ppm<br>568 mg/m <sup>3</sup> | 2000/39/EC |
|                                     | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |      |                                  |            |
|                                     |  | TWA  | 100 ppm<br>375 mg/m <sup>3</sup> | GB EH40    |
|                                     | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |            |
|                                     |  | STEL | 150 ppm<br>560 mg/m <sup>3</sup> | GB EH40    |
|                                     | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |            |

### Biological occupational exposure limits

| Substance name  | CAS-No.   | Control parameters   | Sampling time | Basis          |
|---|-----------|--|---------------|----------------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene | 1330-20-7 | methyl hippuric acid: 650 Millimoles per mole Creatinine (Urine) | After shift   | GB EH40<br>BAT |

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

| Substance name  | End Use | Exposure routes | Potential health effects   | Value               |
|-----------------|---------|-----------------|----------------------------|---------------------|
| Silicon dioxide | Workers | Inhalation      | Long-term systemic effects | 4 mg/m <sup>3</sup> |
| silica gel      | Workers | Inhalation      | Long-term systemic         | 4 mg/m <sup>3</sup> |

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|   |           |            | effects                    |                    |
|---|-----------|------------|----------------------------|--------------------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene | Workers   | Inhalation | Long-term systemic effects | 77 mg/m3           |
|   | Consumers | Inhalation | Long-term local effects    | 65,3 mg/m3         |
|   | Workers   | Inhalation | Acute systemic effects     | 442 mg/m3          |
|   | Workers   | Inhalation | Acute local effects        | 289 mg/m3          |
|   | Consumers | Inhalation | Acute systemic effects     | 260 mg/m3          |
|   | Workers   | Inhalation | Long-term local effects    | 221 mg/m3          |
|   | Consumers | Inhalation | Long-term systemic effects | 14,8 mg/m3         |
|   | Consumers | Inhalation | Acute local effects        | 260 mg/m3          |
|   | Consumers | Dermal     | Long-term systemic effects | 108 mg/kg bw/day   |
|   | Consumers | Oral       | Long-term systemic effects | 16 mg/kg bw/day    |
|   | Workers   | Dermal     | Long-term systemic effects | 180 mg/kg bw/day   |
| 1-methoxy-2-propanol                                    | Workers   | Inhalation | Long-term systemic effects | 369 mg/m3          |
|   | Workers   | Inhalation | Acute systemic effects     | 553,5 mg/m3        |
|   | Workers   | Inhalation | Acute local effects        | 553,5 mg/m3        |
|   | Workers   | Inhalation | Long-term systemic effects | 43,9 mg/m3         |
|   | Workers   | Dermal     | Long-term systemic effects | 183 mg/kg bw/day   |
|   | Consumers | Dermal     | Long-term systemic effects | 78 mg/kg bw/day    |
|   | Consumers | Oral       | Long-term systemic effects | 33 mg/kg bw/day    |
| Hexanoic acid, 2-ethyl-, zinc salt, basic               | Workers   | Dermal     | Long-term systemic effects | 6,41 mg/m3         |
|   | Consumers | Inhalation | Long-term systemic effects | 2,5 mg/m3          |
|   | Workers   | Inhalation | Long-term systemic effects | 5 mg/m3            |
|   | Consumers | Dermal     | Long-term systemic effects | 3,21 mg/kg bw/day  |
|   | Consumers | Oral       | Long-term systemic effects | 0,83 mg/kg bw/day  |
| strontium bis(2-ethylhexanoate)                         | Workers   | Inhalation | Long-term systemic effects | 0,730 mg/m3        |
|   | Workers   | Dermal     | Long-term systemic effects | 0,410 mg/kg bw/day |
|   | Consumers | Inhalation | Long-term systemic effects | 0,180 mg/m3        |
|   | Consumers | Dermal     | Long-term systemic         | 0,210 mg/kg        |



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|  |           |      |                            |                    |
|--|-----------|------|----------------------------|--------------------|
|  |           |      | effects                    | bw/day             |
|  | Consumers | Oral | Long-term systemic effects | 0,210 mg/kg bw/day |

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

| Substance name  | Environmental Compartment | Value                                 |
|---|---------------------------|---------------------------------------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene | Soil                      | 2,31 mg/kg dry weight (d.w.)          |
|   | Marine water              | 0,327 mg/l                            |
|   | Fresh water               | 0,327 mg/l                            |
|   | Marine sediment           | 12,46 mg/kg dry weight (d.w.)         |
|   | Fresh water sediment      | 12,46 mg/kg dry weight (d.w.)         |
|   | Sewage treatment plant    | 6,58 mg/l                             |
| 1-methoxy-2-propanol                                    | Intermittent use/release  | 0,327 mg/l                            |
|   | Soil                      | 4,59 mg/kg dry weight (d.w.)          |
|   | Marine water              | 1 mg/l                                |
|   | Fresh water               | 10 mg/l                               |
|   | Marine sediment           | 5,2 mg/kg dry weight (d.w.)           |
|   | Fresh water sediment      | 52,3 mg/kg dry weight (d.w.)          |
| Hexanoic acid, 2-ethyl-, zinc salt, basic               | Sewage treatment plant    | 100 mg/l                              |
|   | Intermittent use/release  | 100 mg/l                              |
|   | Soil                      | 1,06 - 35,6 mg/kg dry weight (d.w.)   |
|   | Marine water              | 0,0061 - 0,036 mg/l                   |
|   | Fresh water               | 0,0206 - 0,360 mg/l                   |
|   | Marine sediment           | 0,637 - 56,5 mg/kg dry weight (d.w.)  |
| strontium bis(2-ethylhexanoate)                         | Fresh water sediment      | 6,37 - 117,8 mg/kg dry weight (d.w.)  |
|   | Sewage treatment plant    | 0,052 - 71,7 mg/l                     |
|   | Intermittent use/release  | 0,493 mg/l                            |
|   | Fresh water               | 0,360 - 0,440 mg/l                    |
|   | Intermittent use/release  | 0,493 - 0,610 mg/l                    |
|   | Marine water              | 0,036 - 0,040 mg/l                    |
|   | Sewage treatment plant    | 71,7 - 88,52 mg/l                     |
|   | Fresh water sediment      | 6,37 - 7,86 mg/kg dry weight (d.w.)   |
|   | Marine sediment           | 0,637 - 0,790 mg/kg dry weight (d.w.) |

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|  |      |  |
|--|------|--|
|  | Soil | 1,06 - 1,31 mg/kg<br>dry weight (d.w.) |
|--|------|--|

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166

Hand protection

Directive : Equipment should conform to EN 374

Material : Viton®

Rate of permeability : > 480 min

Protective index : Class 6

Material : PVA

Rate of permeability : > 480 min

Protective index : Class 6

Glove thickness : > 0,5 mm

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

The obtained break through times according to EN 374 Part III are not measured under normal operating conditions.

Therefore a maximum usage time of 50% of the break through time is recommended. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Nitrile gloves are not suitable. Take note of the information given by the producer concerning permeability, degradation and break through times, and of special work

Skin and body protection : Long sleeved clothing  
Safety shoes

Respiratory protection : In case of inadequate ventilation wear respiratory protection.  
EN-143; EN-149; EN-529

Filter type : A/P2

Protective measures : Wash thoroughly after handling.  
Avoid contact with skin, eyes and clothing.  
Keep away from food, drink and animal feedingstuffs.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid  
Colour : in accordance with the product description  
Odour : solvent-like  
Odour Threshold : No data available

Flammability : Static-accumulating flammable liquid., Combustible Solids

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|  |   |  |
|--|---|--|
| Upper explosion limit / Upper flammability limit | : | 6 %(V) (calculation method (principal components, highest value))  |
| Lower explosion limit / Lower flammability limit | : | 0,7 %(V) (calculation method (principal components, highest value))  |
| Flash point                                      | : | 43 °C (calculation method (principal components, lowest value))  |
| Decomposition temperature                        | : | No decomposition if stored and applied as directed. Hazardous decomposition products formed under fire conditions. |
| pH   | : | No data available  |
| Viscosity  | : |  |
| Viscosity, kinematic                             | : | > 20,5 mm <sup>2</sup> /s (40 °C)  |
| Flow time  | : | > 60 s at 23 °C<br>Cross section: 6 mm<br>Method: ISO 2431   |
| Solubility(ies)                                  | : |  |
| Water solubility                                 | : | insoluble  |
| Solubility in other solvents                     | : | Description: miscible with most organic solvents   |
| Partition coefficient: n-octanol/water           | : | No data available  |
| Vapour pressure                                  | : | 2 hPa (calculation method (principal components, highest value))<br>(20 °C)  |
| Relative density                                 | : | 1,00 (calculation method (principal components, highest value))  |
| Density  | : | 0,89 - 0,97 g/cm <sup>3</sup>  |

### 9.2 Other information

|                      |   |                                   |
|----------------------|---|-----------------------------------|
| Explosives           | : | Not applicable                    |
| Oxidizing properties | : | Sustains combustion               |
| VOC                  | : | (Directive 2004/42/EC)<br>400 g/l |

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

#### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

#### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

#### 10.6 Hazardous decomposition products

Adequate ventilation is required.

Heating can release vapours which can be ignited.

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### SECTION 11: Toxicological information

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

##### Acute toxicity

Not classified based on available information.

##### Product:

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

##### Components:

##### hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

reaction mixture of ethylbenzene, m-xylene and p-xylene:

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Acute oral toxicity : LD50 Oral (Rat):  $\geq 8.700$  mg/kg

Acute inhalation toxicity : Test atmosphere: vapour  
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after single contact with skin.

### 1-methoxy-2-propanol:

Acute oral toxicity : LD50 Oral (Rabbit):  $> 2.000$  mg/kg

Acute dermal toxicity : LD50 (Rabbit):  $> 2.000$  mg/kg

### hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, $<2\%$ aromatics:

Acute oral toxicity : LD50 Oral (Rat, male and female):  $> 5.000$  mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat):  $> 5.000$  mg/l  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female):  $> 5.000$  mg/kg  
Method: OECD Test Guideline 402

### Skin corrosion/irritation

Not classified based on available information.

### Product:

Remarks : May cause skin irritation and/or dermatitis.

### Components:

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Result : irritating

#### hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, $<2\%$ aromatics:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes

Result : Repeated exposure may cause skin dryness or cracking.

#### strontium bis(2-ethylhexanoate):

Result : irritating

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### Serious eye damage/eye irritation

Not classified based on available information.

#### Product:

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

#### Components:

##### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Result : Eye irritation

##### hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : No eye irritation

##### Hexanoic acid, 2-ethyl-, zinc salt, basic:

Result : Eye irritation

##### strontium bis(2-ethylhexanoate):

Result : Corrosive

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Product:

Remarks : Causes sensitisation.

#### Components:

##### hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Exposure routes : Skin contact  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.

##### Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine:

Result : Probability or evidence of skin sensitisation in humans

### Germ cell mutagenicity

Not classified based on available information.

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### Components:

#### **hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:**

Genotoxicity in vitro : Result: negative

Genotoxicity in vivo : Result: negative

### **Carcinogenicity**

Not classified based on available information.

### Components:

#### **hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:**

Result : negative

### **Reproductive toxicity**

Not classified based on available information.

### Components:

#### **hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:**

Effects on foetal development : Fertility and developmental toxicity tests did not reveal any effect on reproduction.

#### **Hexanoic acid, 2-ethyl-, zinc salt, basic:**

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

#### **strontium bis(2-ethylhexanoate):**

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

### **STOT - single exposure**

May cause drowsiness or dizziness.

### Components:

#### **hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics:**

Assessment : May cause drowsiness or dizziness.

#### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Assessment : May cause respiratory irritation.

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

Assessment : May cause drowsiness or dizziness.

#### **hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:**

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

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### STOT - repeated exposure

Not classified based on available information.

#### Components:

#### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Assessment : May cause damage to organs through prolonged or repeated exposure.

#### **hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:**

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

### Aspiration toxicity

Not classified based on available information.

#### Components:

#### **hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics:**

May be fatal if swallowed and enters airways.

#### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

May be fatal if swallowed and enters airways.

#### **hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:**

May be fatal if swallowed and enters airways.

#### **strontium bis(2-ethylhexanoate):**

May be fatal if swallowed and enters airways.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : 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.

### Further information

#### Product:

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the TLV value may cause narcotic effects.



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Solvents may degrease the skin.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, <2% aromatics:**

Toxicity to fish : LC50 (Fish): > 1.000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : LC50 (Daphnia (water flea)): > 1.000 mg/l  
aquatic invertebrates

##### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Toxicity to fish : LC50 (Fish): >= 1 - 10 mg/l

Toxicity to daphnia and other : LC50 (Daphnia (water flea)): >= 1 - 10 mg/l  
aquatic invertebrates

Toxicity to microorganisms : EC50 (Bacteria): >= 1 - 100 mg/l

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

Toxicity to fish : LC50 (Fish): > 1.000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : LC50 (Daphnia (water flea)): > 1.000 mg/l  
aquatic invertebrates

Toxicity to algae/aquatic : LC50 (algae): > 1.000 mg/l  
plants

##### **hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 1.000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 : > 1.000 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : NOEC (Pseudokirchneriella subcapitata (microalgae)): 1.000  
mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (microalgae)): > 1.000  
mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic tox- : NOELR: 0,10 mg/l

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icity) Exposure time: 28 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other : NOELR: 0,18 mg/l  
aquatic invertebrates (Chronic toxicity) Exposure time: 21 d  
Species: Daphnia (water flea)

### Hexanoic acid, 2-ethyl-, zinc salt, basic:

#### Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

### Components:

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Biodegradability : Readily biodegradable.

Photodegradation : Decomposes rapidly in contact with light.

#### hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 80 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

## 12.3 Bioaccumulative potential

### Components:

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Bioaccumulation : Bioconcentration factor (BCF): 25,9  
Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2,77 - 3,15

#### 1-methoxy-2-propanol:

Partition coefficient: n-octanol/water : log Pow: -0,437

## 12.4 Mobility in soil

### Components:

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Distribution among environmental compartments : Koc: 537, log Koc: 2,73  
Moderately mobile in soils  
The product evaporates from soil.

Stability in soil : Dissipation time: 23 d

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Percentage dissipation: 50 % (DT50)

### 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..

#### Components:

##### **hydrocarbons, C10-C13 n-alkanes, isoalkanes, cyclic, <2% aromatics:**

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : 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 effects

#### Product:

Additional ecological information : No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

|                        |  |
|------------------------|--|
| Product                | : Do not dispose of waste into sewer.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company.   |
| Contaminated packaging | : Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.<br>Do not burn, or use a cutting torch on, the empty drum.   |
| Waste Code             | : 08 00 00, WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS<br>08 01 00, wastes from MFSU and removal of paint and varnish<br>08 01 11*, waste paint and varnish containing organic sol- |

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vents or other hazardous substances  
15 00 00, WASTE PACKAGING; ABSORBENTS, WIPING  
CLOTHS, FILTER MATERIALS AND PROTECTIVE  
CLOTHING NOT OTHERWISE SPECIFIED  
15 01 00, packaging (including separately collected municipal  
packaging waste)  
15 01 10\*, packaging containing residues of or contaminated  
by hazardous substances  
HP3, Flammable

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADN : UN 1263  
ADR : UN 1263  
RID : UN 1263  
IMDG : UN 1263  
IATA : UN 1263

#### 14.2 UN proper shipping name

ADN : PAINT  
ADR : PAINT  
RID : PAINT  
IMDG : PAINT  
IATA : Paint

#### 14.3 Transport hazard class(es)

ADN : 3  
ADR : 3  
RID : 3  
IMDG : 3  
IATA : 3

#### 14.4 Packing group

ADN  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

ADR  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30

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Labels : 3  
Tunnel restriction code : (D/E)

### RID

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
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 Liquids

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : no

### ADR

Environmentally hazardous : no

### RID

Environmentally hazardous : no

### IMDG

Marine pollutant : no

## 14.6 Special precautions for user

Remarks : ADR: Packages smaller than or equal to 450 litres, not goods/merchandise of Class 3 (exemption ADR 2.2.3.1.5)  
IMDG: Packages smaller than or equal to 450 litres, not goods/merchandise of Class 3; "transport acc. IMDG-code 2.3.2.5"

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 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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### 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, preparations and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered: Number on list 3 |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).  | : | Not applicable   |
| REACH - List of substances subject to authorisation (Annex XIV)  | : | Not applicable   |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer  | : | Not applicable   |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast)  | : | Not applicable   |
| Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals                 | : | 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 |
|---|-----|-------------------|

|    |   |
|----|---|
| 34 | Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d) |
|----|---|

Volatile organic compounds : Directive 2004/42/EC  
Volatile organic compounds (VOC) content: 400 g/l

#### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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### SECTION 16: Other information

#### Full text of H-Statements

|       |  |
|-------|--|
| H226  | : Flammable liquid and vapour.                                       |
| H304  | : May be fatal if swallowed and enters airways.                      |
| H312  | : Harmful in contact with skin.                                      |
| H315  | : Causes skin irritation.  |
| H317  | : May cause an allergic skin reaction.                               |
| H318  | : Causes serious eye damage.   |
| H319  | : Causes serious eye irritation.                                     |
| H332  | : Harmful if inhaled.  |
| H335  | : May cause respiratory irritation.                                  |
| H336  | : May cause drowsiness or dizziness.                                 |
| H361d | : Suspected of damaging the unborn child.                            |
| H373  | : May cause damage to organs through prolonged or repeated exposure. |
| 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  |
| Asp. Tox.         | : Aspiration hazard   |
| Eye Dam.          | : Serious eye damage  |
| Eye Irrit.        | : Eye irritation  |
| Flam. Liq.        | : Flammable liquids   |
| Repr.             | : Reproductive toxicity   |
| Skin Irrit.       | : Skin irritation   |
| Skin Sens.        | : Skin sensitisation  |
| STOT RE           | : Specific target organ toxicity - repeated exposure  |
| STOT SE           | : Specific target organ toxicity - single exposure  |
| 2000/39/EC        | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values              |
| 2004/37/EC        | : Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work |
| GB EH40           | : UK. EH40 WEL - Workplace Exposure Limits  |
| GB EH40 BAT       | : UK. Biological monitoring guidance values   |
| 2000/39/EC / TWA  | : Limit Value - eight hours   |
| 2000/39/EC / STEL | : Short term exposure limit   |
| 2004/37/EC / TWA  | : Long term exposure limit  |
| GB EH40 / TWA     | : Long-term exposure limit (8-hour TWA reference period)  |
| GB EH40 / STEL    | : Short-term exposure limit (15-minute reference period)  |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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 Standardisation; 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 -

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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 Organisation 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, Authorisation 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

|              |      |
|--------------|------|
| Flam. Liq. 3 | H226 |
| STOT SE 3    | H336 |

#### Classification procedure:

|                                     |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method                  |

Material codes (bulk) for which the SDS is valid      477675; 477676;

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.