

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Commercial Product Name: CELEROL-Reaktionsgrund 918  
Quality No.: 9180070353000

Revision Date 01.02.2025  
Print Date 01.02.2025  
Version 6

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

### 1.1 Product identifier

Trade name : CELEROL-Reaktionsgrund 918 RAL 7035 lichtgrau

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

Use of the Sub- : Industrial serial painting  
stance/Mixture

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

Mankiewicz Gebr. & Co. (GmbH & Co. KG)  
Georg-Wilhelm-Strasse 189  
21107 Hamburg  
Germany

#### Only for UK:

Supplied by Mankiewicz UK LLP  
26 Ashville Way, Whetstone,  
Leicester LE8 6NU  
United Kingdom

Telephone +49 (0) 40 75103 0  
E-mail address of person sdb\_info@umco.de  
responsible for the SDS

### 1.4 Emergency telephone number

Emergency telephone num- : +44 1865 407333 (NCEC)  
ber

## 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.         |
| Skin irritation, Category 2                                                          | H315: Causes skin irritation.              |
| Serious eye damage, Category 1                                                       | H318: Causes serious eye damage.           |
| Skin sensitisation, 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.   |
| Specific target organ toxicity - single ex-                                          | H335: May cause respiratory irritation.    |

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posure, Category 3, Respiratory system

Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

## 2.2 Label elements

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

Hazard pictograms



Signal word

: Danger

Hazard statements

: H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing mist or vapours.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face 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 components which must be listed on the label:

2-methylpropan-1-ol

Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics

n-butyl acetate

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane xylene

### Additional Labelling

EUH205

Contains epoxy constituents. May produce an allergic reaction.

EUH211

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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## 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: This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

Toxicological information: This substance/mixture does not contain components considered to have endocrine disrupting properties for human health according to UK REACH Article 57(f),

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Mixture of synthetic resins, organic solvents and pigments

#### Components

| Chemical name                                                                            | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number     | Classification                                                                                                                                                                   | Concentration<br>(% w/w) |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 2-methylpropan-1-ol                                                                      | 78-83-1<br>201-148-0<br>603-108-00-1<br>01-2119484609-23  | Flam. Liq. 3; H226<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>STOT SE 3; H336<br>(Central nervous system)<br>STOT SE 3; H335<br>(Respiratory system)                          | >= 12.5 - < 20           |
| Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics                                   | 128601-23-0<br>918-668-5<br>01-2119455851-35              | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>(Central nervous system)<br>STOT SE 3; H335<br>(Respiratory system)<br>Asp. Tox. 1; H304<br>Aquatic Chronic 2; H411<br>EUH066<br>EUH066 | >= 12.5 - < 20           |
| n-butyl acetate                                                                          | 123-86-4<br>204-658-1<br>607-025-00-1<br>01-2119485493-29 | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>(Central nervous system)<br>EUH066                                                                                                      | >= 12.5 - < 20           |
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane | 25068-38-6<br>500-033-5<br>603-074-00-8                   | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Skin Sens. 1; H317<br>Aquatic Chronic 2; H411                                                                                       | >= 2.5 - < 5             |

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|                                              |                                                            |                                                                                                                                                                                                                           |               |
|----------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|                                              |                                                            | specific concentration limit<br>Eye Irrit. 2; H319<br>>= 5 %<br>Skin Irrit. 2; H315<br>>= 5 %<br>STOT RE 2; H319<br>>= 5 %<br>Skin Irrit. 2; H315<br>>= 5 %                                                               |               |
| xylene                                       | 1330-20-7<br>215-535-7<br>601-022-00-9<br>01-2119488216-32 | 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<br>Aquatic Chronic 3; H412 | >= 1 - < 2.5  |
| Substances with a workplace exposure limit : |                                                            |                                                                                                                                                                                                                           |               |
| titanium dioxide                             | 13463-67-7<br>236-675-5<br>01-2119489379-17                |                                                                                                                                                                                                                           | >= 5 - < 12.5 |

These contain:

|            |                                                          |                                                                                                                                                                               |              |
|------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| :          |                                                          |                                                                                                                                                                               |              |
| butan-1-ol | 71-36-3<br>200-751-6<br>603-004-00-6<br>01-2119484630-38 | Flam. Liq. 3; H226<br>Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>STOT SE 3; H336<br>(Central nervous system)<br>STOT SE 3; H335<br>(Respiratory system) | >= 0 - < 0.1 |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : In all cases of doubt, or when sickness symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air, keep patient warm and at rest.  
Irregular breathing/no breathing: artificial respiration.  
If unconscious place in recovery position and seek medical advice.

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- In case of skin contact : Take off all contaminated clothing immediately.  
Wash skin thoroughly with soap and water or use recognised skin cleanser.  
Do NOT use solvents or thinners !
- In case of eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- If swallowed : Do NOT induce vomiting.  
If accidentally swallowed obtain immediate medical attention.  
Never give anything by mouth to an unconscious person.  
Keep at rest.

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

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

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

No data available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol resistant foam, CO<sub>2</sub>, powders
- 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. Exposure to decomposition products may cause a health hazard.

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Appropriate breathing apparatus may be required.
- Further information : Cool endangered containers with water in case of fire.  
DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES!!

## SECTION 6: Accidental release measures

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

- Personal precautions : Exclude sources of ignition and ventilate the area.  
Do not inhale vapours.

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Refer to protective measures listed in sections 7 and 8.

## 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.  
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see chapter 13).  
Clean preferably with a detergent; avoid use of solvents.

## 6.4 Reference to other sections

For personal protection see section 8.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Advice on safe handling : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.  
Comply with the health and safety at work laws.  
Smoking, eating and drinking should be prohibited in the application area.  
Observe specific national regulations for handling and use of paints.

Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.  
Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing. No sparking tools should be used. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.

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Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

Recommended storage temperature : 5 - 35 °C

## 7.3 Specific end use(s)

Specific use(s) : This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components                                                                                                                                                                   | CAS-No.    | Value type (Form of exposure) | Control parameters               | Basis        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------|----------------------------------|--------------|
| 2-methylpropan-1-ol                                                                                                                                                          | 78-83-1    | TWA                           | 50 ppm<br>154 mg/m <sup>3</sup>  | GB EH40      |
|                                                                                                                                                                              |            | STEL                          | 75 ppm<br>231 mg/m <sup>3</sup>  | GB EH40      |
| n-butyl acetate                                                                                                                                                              | 123-86-4   | TWA                           | 150 ppm<br>724 mg/m <sup>3</sup> | GB EH40      |
|                                                                                                                                                                              |            | STEL                          | 200 ppm<br>966 mg/m <sup>3</sup> | GB EH40      |
|                                                                                                                                                                              |            | STEL                          | 150 ppm<br>723 mg/m <sup>3</sup> | 2019/1831/EU |
| Further information: Indicative                                                                                                                                              |            |                               |                                  |              |
|                                                                                                                                                                              |            | TWA                           | 50 ppm<br>241 mg/m <sup>3</sup>  | 2019/1831/EU |
| Further information: Indicative                                                                                                                                              |            |                               |                                  |              |
| titanium dioxide                                                                                                                                                             | 13463-67-7 | TWA (inhalable dust)          | 10 mg/m <sup>3</sup>             | GB EH40      |
|                                                                                                                                                                              |            | TWA (Respirable dust)         | 4 mg/m <sup>3</sup>              | GB EH40      |
| xylene                                                                                                                                                                       | 1330-20-7  | TWA                           | 50 ppm<br>221 mg/m <sup>3</sup>  | 2000/39/EC   |
| 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 sub-                                                                                                     |            |                               |                                  |              |

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|            |                                                                                                                                                                              |      |                     |         |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------|---------|
|            | stances are those for which there are concerns that dermal absorption will lead to systemic toxicity.                                                                        |      |                     |         |
| butan-1-ol | 71-36-3                                                                                                                                                                      | STEL | 50 ppm<br>154 mg/m3 | 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          |
|----------------|-----------|------------------------------------------------------------------|---------------|----------------|
| 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             |
|--------------------------------------------------------|-----------|-----------------|----------------------------|-------------------|
| 2-methylpropan-1-ol                                    | Workers   | Inhalation      | Long-term local effects    | 310 mg/m3         |
|                                                        | Consumers | Inhalation      | Long-term local effects    | 55 mg/m3          |
| Aromatic hydrocarbons, C9; Alkylbenzenes; C9-aromatics | Workers   | Inhalation      | Long-term systemic effects | 150 mg/m3         |
|                                                        | Workers   | Dermal          | Long-term systemic effects | 25 mg/kg bw/day   |
|                                                        | Consumers | Inhalation      | Long-term systemic effects | 32 mg/m3          |
|                                                        | Consumers | Dermal          | Long-term systemic effects | 11 mg/kg bw/day   |
|                                                        | Consumers | Oral            | Long-term systemic effects | 11 mg/kg bw/day   |
|                                                        | Consumers | Oral            | Long-term systemic effects | 11 mg/kg bw/day   |
| n-butyl acetate                                        | Workers   | Inhalation      | Long-term systemic effects | 300 mg/m3         |
|                                                        | Workers   | Dermal          | Long-term systemic effects | 11 mg/kg bw/day   |
|                                                        | Consumers | Inhalation      | Long-term systemic effects | 35.7 mg/m3        |
|                                                        | Consumers | Dermal          | Long-term systemic effects | 6 mg/kg bw/day    |
|                                                        | Consumers | Oral            | Long-term systemic effects | 2 mg/kg bw/day    |
|                                                        | Consumers | Oral            | Long-term systemic effects | 2 mg/kg bw/day    |
| xylene                                                 | Workers   | Inhalation      | Long-term systemic effects | 221 mg/m3         |
|                                                        | Workers   | Dermal          | Long-term systemic effects | 212 mg/kg bw/day  |
|                                                        | Consumers | Inhalation      | Long-term systemic effects | 65.3 mg/m3        |
|                                                        | Consumers | Dermal          | Long-term systemic effects | 125 mg/kg bw/day  |
|                                                        | Consumers | Oral            | Long-term systemic effects | 12.5 mg/kg bw/day |

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

| Substance name      | Environmental Compartment | Value                         |
|---------------------|---------------------------|-------------------------------|
| 2-methylpropan-1-ol | Fresh water               | 0.4 mg/l                      |
|                     | Marine water              | 0.04 mg/l                     |
|                     | Fresh water sediment      | 1.56 mg/kg dry weight (d.w.)  |
|                     | Marine sediment           | 0.156 mg/kg dry weight (d.w.) |
|                     | Sewage treatment plant    | 10 mg/l                       |
|                     | Soil                      | 0.076 mg/kg dry weight (d.w.) |
|                     | Fresh water               | 0.18 mg/l                     |
|                     | Marine water              | 0.018 mg/l                    |
|                     | Fresh water sediment      | 0.981 mg/kg dry weight (d.w.) |
|                     | Marine sediment           | 0.098 mg/kg dry weight (d.w.) |
| n-butyl acetate     | Sewage treatment plant    | 35.6 mg/l                     |
|                     | Soil                      | 0.09 mg/kg dry weight (d.w.)  |
|                     | Fresh water               | 0.327 mg/l                    |
|                     | Marine water              | 0.327 mg/l                    |
|                     | Fresh water sediment      | 12.46 mg/kg dry weight (d.w.) |
| xylene              | Marine sediment           | 12.46 mg/kg dry weight (d.w.) |
|                     | Sewage treatment plant    | 6.58 mg/l                     |
|                     | Soil                      | 2.31 mg/kg dry weight (d.w.)  |

## 8.2 Exposure controls

### Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain aerosol- and solvent vapours concentration below the OEL, suitable respiratory protection must be worn.

### Personal protective equipment

Eye/face protection : Wear safety goggles to protect against solvent splashes.

Hand protection

Remarks : Adhere to the professional organisation rule "Use of protective gloves". Appropriate chemicals resistant glove tested in compliance with EN 374.  
Recommendation for protection against components generally found in the products:

For short-term contact (i.e. splash protection):

Appropriate material:

nitrile rubber, Neoprene

Material thickness: > 0,4 mm

Breakthrough time: > 480 min

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Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Preventive hand protection (skin protection cream) recommended. Wash immediately contaminated skin. Design operations thus to avoid permanent use of protective gloves.

- Skin and body protection** : Depending on the probability of the occurrence of dangerously explosive atmospheres, adapted protective clothing must be worn.
- Respiratory protection** : If the solvent concentration is above the air limit values, a breathing apparatus approved for this purpose must be worn. Use half-mask model with cartridge or air-fed. Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapour. If possible, machine employing a wet medium. Where practicable, install exhaust hoods to improve capture of vapours and fumes and avoid exposition; otherwise wear respiratory protection equipment.
- Protective measures** : Do not eat or drink during work - no smoking. Avoid product contact with skin, eyes and clothing. Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation. 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 until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Physical state** : liquid (20 - 25 °C, 1,013 hPa)
- Colour** : according product name
- Odour** : characteristic
- Melting point/ range** : No data available

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Boiling point/boiling range : ca. 120 °C

Upper explosion limit : 10 %(V)

Lower explosion limit : 1 %(V)

Flash point : 25 °C  
Method: ISO 13736

Auto-ignition temperature : > 400 °C

Decomposition temperature : No data available

pH : 3 - 4 (20 °C)  
Concentration: 10 %

Viscosity  
Viscosity, kinematic : > 21 mm<sup>2</sup>/s

Flow time : 70 s  
Cross section: 4 mm  
Method: DIN 53211

41 s  
Cross section: 6 mm  
Method: ISO 2431

Solubility(ies)  
Water solubility : insoluble

Vapour pressure : ca. 100 hPa (50 °C)

Relative density : No data available

Density : 1 g/cm<sup>3</sup> (20 °C)

## 9.2 Other information

Flammability (liquids) : No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.  
There are no data available on the preparation itself.

### 10.4 Conditions to avoid

Conditions to avoid : Stable under recommended storage and handling conditions  
(See section 7).

### 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

When exposed to high temperatures may produce hazardous decomposition products such as  
carbon monoxide and dioxide, smoke, oxides of nitrogen.

## SECTION 11: Toxicological information

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

#### Acute toxicity

Not classified due to lack of data.

#### 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

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

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## Respiratory sensitisation

Not classified due to lack of data.

## Germ cell mutagenicity

Not classified due to lack of data.

## Carcinogenicity

Not classified due to lack of data.

## Reproductive toxicity

Not classified due to lack of data.

## STOT - single exposure

May cause respiratory irritation.  
May cause drowsiness or dizziness.

## STOT - repeated exposure

Not classified due to lack of data.

## Aspiration toxicity

Not classified due to lack of data.

## 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.
- Assessment : This substance/mixture does not contain components considered to have endocrine disrupting properties for human health according to UK REACH Article 57(f),

### Further information

#### Product:

- Remarks : Exposure of vapour concentration in excess of the stated OEL's may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and in extrem cases, loss of consciousness.  
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. The liquid splashed in the eyes may cause irritation and reversible damage.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : There are no data available on the preparation itself.

#### Components:

#### 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane:

Toxicity to fish : LC50 (Fish): 1.3 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 2.1 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: There are no data available on the preparation itself.

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: There are no data available on the preparation itself.

#### Components:

#### 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane:

Partition coefficient: n-octanol/water : log Pow: 3

### 12.4 Mobility in soil

#### Product:

Mobility : Remarks: There are no data available on the preparation itself.

### 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

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0.1% or higher.

- : 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 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.
- Assessment : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

## 12.7 Other adverse effects

### Product:

- Additional ecological information : There are no data available on the preparation itself.
- The product should not be allowed to enter drains or water courses.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Product : Dispose of in accordance with local regulations.
- Contaminated packaging : Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

## SECTION 14: Transport information

### 14.1 UN number or ID number

- ADR : UN 1263
- IMDG : UN 1263
- IATA : UN 1263

### 14.2 UN proper shipping name

- ADR : PAINT

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**IMDG** : PAINT

**IATA** : PAINT

## 14.3 Transport hazard class(es)

|             | Class | Subsidiary risks |
|-------------|-------|------------------|
| <b>ADR</b>  | : 3   |                  |
| <b>IMDG</b> | : 3   |                  |
| <b>IATA</b> | : 3   |                  |

## 14.4 Packing group

**ADR**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)  
Remarks : If transported within the user's premises: To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.

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

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 366  
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

**ADR**  
Environmentally hazardous : no

**IMDG**  
Marine pollutant : no

## 14.6 Special precautions for user

Remarks : If transported within the user's premises: To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.  
ADR: Receptacles with less than 450 litres capacity, are not

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subject to ADR (see ADR 2.2.3.1.5)  
IMDG: Receptacles with less than 450 litres capacity, are not subject to the regulations of IMDG chapters 4.1, 5.2 and 6.1 (see IMDG 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.

## SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

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: Number on list 3

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Volatile organic compounds :

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 53.46 %, 500 g/l

### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

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.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

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## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture.

## SECTION 16: Other information

### Full text of H-Statements

|        |                                                                      |
|--------|----------------------------------------------------------------------|
| H226   | : Flammable liquid and vapour.                                       |
| H302   | : Harmful if swallowed.                                              |
| 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.                                 |
| H373   | : May cause damage to organs through prolonged or repeated exposure. |
| H411   | : Toxic to aquatic life with long lasting effects.                   |
| H412   | : Harmful to aquatic life with long lasting effects.                 |
| EUH066 | : Repeated exposure may cause skin dryness or cracking.              |

### 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                                                                                                    |
| 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   |
| 2019/1831/EU        | : Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values |
| 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                                                                                            |
| 2019/1831/EU / TWA  | : Limit Value - eight hours                                                                                            |
| 2019/1831/EU / STEL | : Short 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 - 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

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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 - 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; TECI - Thailand Existing Chemicals 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

Other information : The information given in this material safety data sheet does not release the user from its duty of risk assessment and control in the work place defined in other health and safety law. Adhere to the national sanitary and occupational safety regulations when using this product.

This safety datasheet complies with the requirements of regulation (EC) No 1907/2006(2020/878).

## Classification of the mixture:

|                   |      |
|-------------------|------|
| Flam. Liq. 3      | H226 |
| Skin Irrit. 2     | H315 |
| Eye Dam. 1        | H318 |
| Skin Sens. 1      | H317 |
| STOT SE 3         | H336 |
| STOT SE 3         | H335 |
| Aquatic Chronic 3 | H412 |

## Classification procedure:

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

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