# Safety data sheet
**according to 1907/2006/EC, Article 31**

Printing date 06.12.2022 Version number 1.2 (replaces version 1.1) Revision: 06.12.2022

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

· **1.1 Product identifier**

· **Trade name: KREUL Matt lacquer Spray 150 ml, 400 ml**

· **Article number:** 821150, 821400
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture**
Lacquer
For artists and hobby user.

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
C. KREUL GmbH & Co. KG
Carl-Kreul-Straße 2
D-91352 HALLERNDORF
GERMANY
Phone: + 49 (0) 9545/925 - 0
Fax: + 49 (0) 9545/925 - 511
info@c-kreul.de

· **Further information obtainable from:**
Product Safety Department:
Treiber, b.treiber@c-kreul.de
· **1.4 Emergency telephone number:** + 44 (0) 171 635 91 91

## 2 Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**


flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.


corrosion

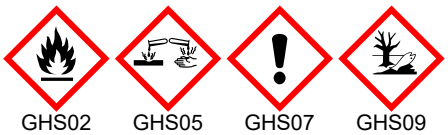
Eye Dam. 1 H318 Causes serious eye damage.


environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
· **Hazard pictograms**


GHS02 GHS05 GHS07 GHS09

· **Signal word** Danger

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· **Hazard-determining components of labelling:**
butan-1-ol
hydrocarbons, C7-C9
hydrocarbons, C6-C7
cyclohexane
· **Hazard statements**
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
· **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P260 Do not breathe spray.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Additional information:**
EUH208 Contains n-butyl methacrylate. May produce an allergic reaction.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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## 3 Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

| · **Dangerous components:** | | |
|---|---|---|
| CAS: 115-10-6<br>EINECS: 204-065-8<br>Index number: 603-019-00-8<br>Reg.nr.: 01-2119472128-37-XXXX | dimethyl ether<br>Flam. Gas 1A, H220; Press. Gas (Comp.), H280 | 25–<50% |
| CAS: 71-36-3<br>EINECS: 200-751-6<br>Index number: 603-004-00-6<br>Reg.nr.: 01-2119484630-38-XXXX | butan-1-ol<br>Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336 | 20–<25% |
| CAS: 64742-48-9<br>EINECS: 265-150-3<br>Index number: 649-327-00-6<br>Reg.nr.: 01-2119486659-16-XXXX | Naphtha (petroleum), hydrotreated heavy<br>Asp. Tox. 1, H304 | 5–<10% |
| EC number: 920-750-0<br>Reg.nr.: 01-2119473851-33-XXXX | hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclenes<br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 | 5–<10% |
| CAS: 110-82-7<br>EINECS: 203-806-2<br>Index number: 601-017-00-1 | cyclohexane<br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336 | 2.5–<5% |
| EC number: 926-605-8<br>Reg.nr.: 01-2119473851-33-XXXX | hydrocarbons, C6-C7<br>Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 | 2.5–<5% |
| CAS: 79-41-4<br>EINECS: 201-204-4<br>Index number: 607-088-00-5<br>Reg.nr.: 01-2119463884-26-XXXX | methacrylic acid<br>Acute Tox. 3, H311; Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H335<br>Specific concentration limit: STOT SE 3; H335: C ≥ 1 % | <0.5% |
| CAS: 97-88-1<br>EINECS: 202-615-1<br>Index number: 607-033-00-5 | n-butyl methacrylate<br>Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | <0.5% |
| CAS: 110-54-3<br>EINECS: 203-777-6<br>Index number: 601-037-00-0 | n-hexane<br>Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336<br>Specific concentration limit: STOT RE 2; H373: C ≥ 5 % | <0.5% |

· **Additional information:**
Benzene (EINECS 200-753-7) <0.1%. (Note P Annex VI to Directive (EC) No 1272/2008)
For the wording of the listed hazard phrases refer to section 16.



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## 4 First aid measures

· **4.1 Description of first aid measures**
· **General information:**
Take affected persons out into the fresh air.
In case of irregular breathing or respiratory arrest provide artificial respiration.
· **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
Call a doctor immediately.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
Remove contact lenses.
· **After swallowing:**
Drink plenty of water and provide fresh air. Call for a doctor immediately.
If symptoms persist consult doctor.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

## 5 Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
· **5.3 Advice for firefighters**
· **Protective equipment:** Mouth respiratory protective device.
· **Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## 6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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## 7 Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
· **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep container tightly sealed.
· **Storage class:** 2B
· **7.3 Specific end use(s)** See chapter 1.2.



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## 8 Exposure controls/personal protection

· **8.1 Control parameters**

| · **Ingredients with limit values that require monitoring at the workplace:** | |
|---|---|
| **115-10-6 dimethyl ether** | |
| WEL | Short-term value: 958 mg/m³, 500 ppm<br>Long-term value: 766 mg/m³, 400 ppm |
| **71-36-3 butan-1-ol** | |
| WEL | Short-term value: 154 mg/m³, 50 ppm<br>Sk |
| **110-82-7 cyclohexane** | |
| WEL | Short-term value: 1050 mg/m³, 300 ppm<br>Long-term value: 350 mg/m³, 100 ppm |
| **79-41-4 methacrylic acid** | |
| WEL | Short-term value: 143 mg/m³, 40 ppm<br>Long-term value: 72 mg/m³, 20 ppm |
| **110-54-3 n-hexane** | |
| WEL | Long-term value: 72 mg/m³, 20 ppm |

| · **DNELs** | | |
|---|---|---|
| **64742-48-9 Naphtha (petroleum), hydrotreated heavy** | | |
| Oral | long-term exposure-systemic effects | 300 mg/kg (general population) |
| Dermal | long-term exposure-systemic effects | 300 mg/kg bw/d (general population) |
| | | 300 mg/kg bw/d (worker) |
| Inhalative | long-term exposure-systemic effects | 900 mg/m³ (general population) |
| | | 1,500 mg/m³ (worker) |

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Appropriate engineering controls** No further data; see item 7.
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Do not eat, drink, smoke or sniff while working.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
· **Respiratory protection:**
Not necessary if room is well-ventilated.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Filter AX
· **Hand protection**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **For the permanent contact gloves made of the following materials are suitable:**
Butyl rubber, BR
Recommended thickness of the material: ≥ 0.4 mm
Value for the permeation: Level ≤ 8h
· **As protection from splashes gloves made of the following materials are suitable:**
Butyl rubber, BR
Recommended thickness of the material: ≥ 0.4 mm
Value for the permeation: Level ≤ 8h

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· **Eye/face protection**

Tightly sealed goggles

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## 9 Physical and chemical properties

| | |
|---|---|
| · **9.1 Information on basic physical and chemical properties** | |
| · **General Information** | |
| · **Physical state** | Aerosol |
| · **Colour:** | According to product specification |
| · **Odour:** | Characteristic |
| · **Odour threshold:** | Not determined. |
| · **Melting point/freezing point:** | Undetermined. |
| · **Boiling point or initial boiling point and boiling range** | Not applicable, as aerosol. |
| · **Flammability** | Not applicable. |
| · **Lower and upper explosion limit** | |
| · **Lower:** | 1.5 Vol % |
| · **Upper:** | 26.2 Vol % |
| · **Flash point:** | Not applicable, as aerosol. |
| · **Ignition temperature:** | 240 °C |
| · **Decomposition temperature:** | Not determined. |
| · **pH** | Not determined. |
| · **Viscosity:** | |
| · **Kinematic viscosity** | Not determined. |
| · **Dynamic:** | Not determined. |
| · **Solubility** | |
| · **water:** | Not miscible or difficult to mix. |
| · **Partition coefficient n-octanol/water (log value)** | Not determined. |
| · **Vapour pressure at 20 °C:** | 4,000 hPa |
| · **Density and/or relative density** | |
| · **Density at 20 °C:** | 0.7 g/cm³ |
| · **Relative density** | Not determined. |
| · **Vapour density** | Not determined. |

| | |
|---|---|
| · **9.2 Other information** | |
| · **Appearance:** | |
| · **Form:** | Aerosol |
| · **Important information on protection of health and environment, and on safety.** | |
| · **Auto-ignition temperature:** | Product is not selfigniting. |
| · **Explosive properties:** | Not determined. |
| · **Solvent content:** | |
| · **Organic solvents:** | ~80.5 % |
| · **VOC (EC)** | 78.09 % |
| · **Solids content:** | 1.1 % |
| · **Change in condition** | |
| · **Evaporation rate** | Not applicable. |

| | |
|---|---|
| · **Information with regard to physical hazard classes** | |
| · **Explosives** | Void |
| · **Flammable gases** | Void |
| · **Aerosols** | Extremely flammable aerosol. Pressurised container: May burst if heated. |
| · **Oxidising gases** | Void |
| · **Gases under pressure** | Void |
| · **Flammable liquids** | Void |
| · **Flammable solids** | Void |
| · **Self-reactive substances and mixtures** | Void |
| · **Pyrophoric liquids** | Void |
| · **Pyrophoric solids** | Void |
| · **Self-heating substances and mixtures** | Void |
| · **Substances and mixtures, which emit flammable gases in contact with water** | Void |
| · **Oxidising liquids** | Void |
| · **Oxidising solids** | Void |
| · **Organic peroxides** | Void |
| · **Corrosive to metals** | Void |
| · **Desensitised explosives** | Void |



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## 10 Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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## 11 Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

| · **LD/LC50 values relevant for classification:** | | |
|---|---|---|
| **115-10-6 dimethyl ether** | | |
| Inhalative | LC50/4h | 308 mg/m³ (rat) |
| **71-36-3 butan-1-ol** | | |
| Oral | LD50 | 790 mg/kg (rat) |
| Dermal | LD50 | 3,400 mg/kg (rabbit) |
| Inhalative | LC50/4h | 8,000 mg/m³ (rat) |
| **64742-48-9 Naphtha (petroleum), hydrotreated heavy** | | |
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rab) |
| Inhalative | LC50/4h | >4,951 mg/m³ (rat) |
| **hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclenes** | | |
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (rat) |
| Inhalative | LC50/4h | >20,000 mg/m³ (rat) |
| **110-82-7 cyclohexane** | | |
| Oral | LD50 | 12,705 mg/kg (rat) |
| **79-41-4 methacrylic acid** | | |
| Oral | LD50 | 1,332 mg/kg (mouse) |
| Dermal | LD50 | 500 mg/kg (rabbit) |
| Inhalative | LC50/4h | 11 mg/m³ (ATE) |
| **97-88-1 n-butyl methacrylate** | | |
| Oral | LD50 | 22,600 mg/kg (rat) |
| Dermal | LD50 | 11,300 mg/kg (rabbit) |
| Inhalative | LC50/4h | 4,910 mg/m³ (rat) |
| **110-54-3 n-hexane** | | |
| Oral | LD50 | 25,000 mg/kg (rat) |
| Inhalative | LC50/4h | 169,000 mg/m³ (rat) |

· **Skin corrosion/irritation**
Causes skin irritation.
· **Serious eye damage/irritation**
Causes serious eye damage.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure**
May cause respiratory irritation. May cause drowsiness or dizziness.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**

| · **Endocrine disrupting properties** |
|---|
| None of the ingredients is listed. |

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## 12 Ecological information

· **12.1 Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **115-10-6 dimethyl ether** | |
| LC50/96h | >4,000 mg/l (fish) |
| LC50/48h | >4,000 mg/l (daphnia magna) |

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| | |
|---|---|
| EC50/96h | 155 mg/l (algae) |
| **71-36-3 butan-1-ol** | |
| LC50/96h | 1,376 mg/l (fish) |
| **hydrocarbons C7-C9, n-alkanes, isoalkanes, cyclenes** | |
| EC50 | 50 mg/l (algae)<br>5 mg/l (fish) |
| **110-54-3 n-hexane** | |
| LC50/96h | 57.8 mg/l (fish) |

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· **Remark:** Toxic for fish
· **Additional ecological information:**
· **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

## 13 Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

| | |
|---|---|
| · **14.1 UN number or ID number** | |
| · **ADR, IMDG, IATA** | UN1950 |
| · **14.2 UN proper shipping name** | |
| · **ADR** | 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS |
| · **IMDG** | AEROSOLS (hydrocarbons, C7-C9, hydrocarbons, C6-C7), MARINE POLLUTANT |
| · **IATA** | AEROSOLS, flammable |
| · **14.3 Transport hazard class(es)** | |
| · **ADR** |  |
| · **Class** | 2 5F Gases. |
| · **Label** | 2.1 |
| · **IMDG** |  |
| · **Class** | 2.1 Gases. |
| · **Label** | 2.1 |
| · **IATA** |  |
| · **Class** | 2.1 Gases. |
| · **Label** | 2.1 |

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| | |
|---|---|
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | not regulated |
| · **14.5 Environmental hazards:** | |
| · **Marine pollutant:** | Symbol (fish and tree) |
| · **Special marking (ADR):** | Symbol (fish and tree) |
| · **14.6 Special precautions for user** | Warning: Gases. |
| · **Hazard identification number (Kemler code):** | - |
| · **EMS Number:** | F-D,S-U |
| · **Stowage Code** | SW1 Protected from sources of heat.<br>SW2 Clear of living quarters. |
| · **Segregation Code** | SG69 For AEROSOLS with a maximum capacity of 1 litre:<br>Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.<br>For AEROSOLS with a capacity above 1 litre:<br>Segregation as for the appropriate subdivision of class 2.<br>For WASTE AEROSOLS:<br>Segregation as for the appropriate subdivision of class 2. |
| · **14.7 Maritime transport in bulk according to IMO instruments** | Not applicable. |
| · **Transport/Additional information:** | |
| · **ADR** | |
| · **Limited quantities (LQ)** | 1L |
| · **Excepted quantities (EQ)** | Code: E0<br>Not permitted as Excepted Quantity |
| · **Transport category** | 2 |
| · **Tunnel restriction code** | D |
| · **IMDG** | |
| · **Limited quantities (LQ)** | 1L |
| · **Excepted quantities (EQ)** | Code: E0<br>Not permitted as Excepted Quantity |
| · **UN "Model Regulation":** | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS |

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## 15 Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category**
P3a FLAMMABLE AEROSOLS
E2 Hazardous to the Aquatic Environment
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

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· **Department issuing SDS:** Product Safety Department
· **Contact:** B. Treiber, b.treiber@c-kreul.de
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1A: Flammable gases – Category 1A
Aerosol 1: Aerosols – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
· *** Data compared to the previous version altered.**