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

Printing date: 10.06.2022 Version: 1 Revision: 10.06.2022

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

· **1.1 Product identifier**

· **Trade name: ZINC 720**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against -**
· **Application of the substance / the mixture**
Aerosol coating
Paint

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
TECHNIQUA HANDELS GmbH
Hartleitnerstraße 3
A-4653 Eberstalzell
Tel: +43 (0) 7241 213 79
E-Mail: office@techniqua.at

· **1.4 Emergency telephone number:**
Poisoning Information Centre (VIZ), Stubenring 6, A-1010 Vienna
Emergency call 0-24 hrs: +43 1 406 43 43
Office hours: Monday to Friday, 8 to 16 hrs, Tel.: +43 1 406 68 98

## SECTION 2: Hazards identification

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


GHS02 flame

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


GHS09 environment

| | | |
|---|---|---|
| Aquatic Acute 1 | H400 | Very toxic to aquatic life. |
| Aquatic Chronic 1 | H410 | Very toxic to aquatic life with long lasting effects. |


GHS07

| | | |
|---|---|---|
| Eye Irrit. 2 | H319 | Causes serious eye irritation. |
| STOT SE 3 | H336 | 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 CLP regulation.
· **Hazard pictograms**


GHS02 GHS07 GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Acetone

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Hydrocarbons,C9,aromatics
propan-2-ol

· **Hazard statements**
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H410 Very 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 mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / eye protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403 Store in a well-ventilated place.
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:**
EUH066 Repeated exposure may cause skin dryness or cracking.

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Active substance with propellant

· **Dangerous components:**

| | | |
|---|---|---|
| CAS: 115-10-6<br>EINECS: 204-065-8<br>Reg.nr.: 01-2119472128-37 | dimethyl ether<br>Flam. Gas 1A, H220; Press. Gas (Liq.), H280 | 25-<50% |
| CAS: 7440-66-6<br>EINECS: 231-175-3<br>Reg.nr.: 01-2119467174-37 | zinc powder -zinc dust (stabilized)<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | 25-<50% |
| CAS: 67-64-1<br>EINECS: 200-662-2<br>Reg.nr.: 01-2119471330-49 | Acetone<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 | 10-<25% |
| CAS: 128601-23-0<br>EC number: 918-668-5<br>Reg.nr.: 01-2119455851-35 | Hydrocarbons,C9,aromatics<br>Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066 | 2.5-<10% |
| EC number: 905-588-0<br>Reg.nr.: 01-2119488216-32<br>01-2119486136-34 | Reaction mass of ethylbenzene and xylene<br>Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | 2.5-<10% |
| CAS: 1314-13-2<br>EINECS: 215-222-5<br>Reg.nr.: 01-2119463881-32 | zinc oxide<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | 1-<2.5% |

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| | | |
|---|---|---|
| CAS: 67-63-0<br>EINECS: 200-661-7<br>Reg.nr.: 01-2119457558-25 | propan-2-ol<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | 1-<2.5% |

· **Additional information:**
Aerosols and containers fitted with a solid atomizer containing substances or mixtures classified as hazardous by aspiration shall not be labelled for that hazard.
The text of the hazard statements mentioned here can be found in chapter 16.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Generally the product does not irritate the skin.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:** Do not induce vomiting; call for medical help immediately.
· **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.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
Water haze
Fire-extinguishing powder
Carbon dioxide
Alcohol resistant foam
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:** Mount respiratory protective device.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
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:**
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
· **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.

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

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· **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.
· **Information about storage in one common storage facility:**
Observe official regulations on storing packagings with pressurised containers.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
· **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

| · **Ingredients with limit values that require monitoring at the workplace:** | |
|---|---|
| **115-10-6 dimethyl ether** | |
| IOELV | Long-term value: 1920 mg/m³, 1000 ppm |
| **67-64-1 Acetone** | |
| IOELV | Long-term value: 1210 mg/m³, 500 ppm |

| · **DNELs** | | |
|---|---|---|
| **7440-66-6 zinc powder -zinc dust (stabilized)** | | |
| Oral | DNEL Long term-systemic | 50 mg/kg bw/day (Worker) |
| Dermal | DNEL Long term-systemic | 5000 mg/kg bw/day (Consumer) |
| | | 5000 mg/kg bw/day (Worker) |
| Inhalative | DNEL Long term-systemic | 2.5 mg/m3 (Consumer) |
| | | 5 mg/m3 (Worker) |
| **67-64-1 Acetone** | | |
| Oral | DNEL Long term-systemic | 62 mg/kg bw/day (Consumer) |
| Dermal | DNEL Long term-systemic | 62 mg/kg bw/day (Consumer) |
| | | 186 mg/kg bw/day (Worker) |
| Inhalative | DNEL Acute-local | 2420 mg/m3 (Worker) |
| | DNEL Long term-systemic | 200 mg/m3 (Consumer) |
| | | 1210 mg/m3 (Worker) |
| **128601-23-0 Hydrocarbons,C9,aromatics** | | |
| Oral | DNEL Long term-systemic | 11 mg/kg bw/day (Consumer) |
| Dermal | DNEL Long term-systemic | 11 mg/kg bw/day (Consumer) |
| | | 25 mg/kg bw/day (Worker) |
| Inhalative | DNEL Long term-systemic | 32 mg/m3 (Consumer) |
| | | 100 mg/m3 (Worker) |
| **Reaction mass of ethylbenzene and xylene** | | |
| Oral | DNEL Long term-systemic | 1.6 mg/kg bw/day (Consumer) |
| Dermal | DNEL Long term-systemic | 108 mg/kg bw/day (Consumer) |

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| | | |
|---|---|---|
| | | 180 mg/kg bw/day (Worker) |
| Inhalative | DNEL Acute-local | 289 mg/m3 (Worker) |
| | DNEL Long term-systemic | 14.8 mg/m3 (Consumer) |
| | | 77 mg/m3 (Worker) |
| **1314-13-2 zinc oxide** | | |
| Oral | DNEL Long term-systemic | 0.83 mg/kg bw/day (Consumer) |
| Dermal | DNEL Long term-systemic | 87 mg/kg bw/day (Consumer) |
| | | 87 mg/kg bw/day (Worker) |
| Inhalative | DNEL Long term-systemic | 2.5 mg/m3 (Consumer) |
| | | 5 mg/m3 (Worker) |
| **67-63-0 propan-2-ol** | | |
| Oral | DNEL Long term-systemic | 26 mg/kg bw/day (Consumer) |
| Dermal | DNEL Long term-systemic | 319 mg/kg bw/day (Consumer) |
| | | 888 mg/kg bw/day (Worker) |
| Inhalative | DNEL Long term-systemic | 89 mg/m3 (Consumer) |
| | | 500 mg/m3 (Worker) |

· **PNECs**

| | |
|---|---|
| **7440-66-6 zinc powder -zinc dust (stabilized)** | |
| PNEC Freshwater | 20.6 mg/l (Undefind) |
| PNEC Marine water | 6.1 mg/l (Undefind) |
| PNEC Freshwater sediment | 118 mg/l(dry weight) (Undefind) |
| PNEC Soil | 56.6 mg/kg (Undefind) |
| PNEC Sewage Treatment Plant | 52 mg/l (Undefind) |
| PNEC Marine water sediment | 56.5 mg/l(dry weight) (Undefind) |
| **67-64-1 Acetone** | |
| PNEC Marine water | 1.06 mg/l (Undefind) |
| PNEC Freshwater sediment | 30.4 mg/l(dry weight) (Undefind) |
| PNEC Soil | 29.5 mg/kg (Undefind) |
| PNEC Marine water sediment | 3.04 mg/l(dry weight) (Undefind) |
| **Reaction mass of ethylbenzene and xylene** | |
| PNEC Freshwater | 0.327 mg/l (Undefind) |
| PNEC Marine water | 0.327 mg/l (Undefind) |
| PNEC Freshwater sediment | 12.46 mg/l(dry weight) (Undefind) |
| PNEC Soil | 2.31 mg/kg (Undefind) |
| PNEC Sewage Treatment Plant | 6.58 mg/l (Undefind) |
| PNEC Marine water sediment | 12.46 mg/l(dry weight) (Undefind) |
| **1314-13-2 zinc oxide** | |
| PNEC Freshwater | 20.6 mg/l (Undefind) |
| PNEC Marine water | 6.1 mg/l (Undefind) |
| PNEC Freshwater sediment | 117 mg/l(dry weight) (Undefind) |
| PNEC Soil | 35.6 mg/kg (Undefind) |
| PNEC Sewage Treatment Plant | 52 mg/l (Undefind) |
| PNEC Marine water sediment | 56.5 mg/l(dry weight) (Undefind) |

· **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.

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· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
General ventilation
· **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.
Filter A2/P2
· **Hand protection**
Wear gloves for the protection against chemicals according to EN 374


Protective gloves

Solvent resistant gloves
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.
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.5 mm
· **Penetration time of glove material**
For continuous contact we recommend gloves with breakthrough time of at least 240 minutes, with the preference given to a breakthrough time greater than 480 minutes. For short-term or splash guard we recommend the same. We are aware that suitable gloves that offer this level of protection may not be available. In that case, a shorter breakthrough time are acceptable as long as the procedures governing maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance of the gloves against a chemical substance, because this depends on the exact composition of the material from which the gloves are made.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye/face protection**
Safety glasses


Tightly sealed goggles

· **Body protection:**
Use protective suit. (EN-13034/6)
Full skin covering antistatic, chemical and oil resistant clothing and safety shoes are recommended. (EN1149; EN340&EN ISO 13688; EN13034-6).
· **Environmental exposure controls** Use a suitable container to prevent environmental contamination.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**
· **General Information**

| | |
|---|---|
| · **Physical state** | Aerosol |
| · **Colour:** | Grey |
| · **Odour:** | Characteristic |
| · **Odour threshold:** | Not determined. |

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| | |
|---|---|
| · **Melting point/freezing point:** | Undetermined. |
| · **Boiling point or initial boiling point and boiling range** | -24.8 °C (115-10-6 dimethyl ether) |
| · **Flammability** | Not applicable. |
| · **Lower and upper explosion limit** | |
| · **Lower:** | 1 Vol % (128601-23-0 Hydrocarbons,C9,aromatics) |
| · **Upper:** | 13 Vol % (67-64-1 Acetone) |
| · **Flash point:** | -41 °C (115-10-6 dimethyl ether) |
| · **Ignition Temperature** | 465 °C |
| · **Decomposition temperature:** | Not determined. |
| · **pH** | Mixture is non-polar/aprotic. |
| · **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:** | 5000 hPa |
| · **Density and/or relative density** | |
| · **Density at 20 °C:** | 1.042 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:** | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
| · **Solvent content:** | |
| · **Organic solvents:** | 64.5 % |
| · **Solids content:** | 34.2 % |
| · **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 |

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· **Desensitised explosives** Void

## SECTION 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.

## SECTION 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:** | | |
|---|---|---|
| **7440-66-6 zinc powder -zinc dust (stabilized)** | | |
| Oral | LD50 | >2000 mg/kg (Rat) |
| Inhalative | LC50 (4h) | >5.4 mg/l (Rat) |
| **67-64-1 Acetone** | | |
| Oral | LD50 | 5800 mg/kg (Rat) |
| Dermal | LD50 | 7800 mg/kg (Rabbit) |
| Inhalative | LC50 (4h) | >20 mg/l (Rat) |
| **128601-23-0 Hydrocarbons,C9,aromatics** | | |
| Oral | LD50 | 3492 mg/kg (Rat) |
| Dermal | LD50 | >3160 mg/kg (Rabbit) |
| Inhalative | LC50 (4h) | >6193 mg/l (Rat) (Acute Inhalation Toxicity) |
| **Reaction mass of ethylbenzene and xylene** | | |
| Oral | LD50 | 3523 mg/kg (Rat) |
| Dermal | LD50 | 12126 mg/kg (Rabbit) |
| Inhalative | LC50 (4h) | 27.124 mg/l (Rat) |
| **1314-13-2 zinc oxide** | | |
| Oral | LD50 | >5000 mg/kg (Rat) |
| Dermal | LD50 | >2000 mg/kg (Rat) |
| Inhalative | LC50 (4h) | >5700 mg/l (Rat) |
| | LC50 | >5700 mg/L (Rat) |
| **67-63-0 propan-2-ol** | | |
| Oral | LD50 | 5840 mg/kg (Rat) |
| Dermal | LD50 | 13900 mg/kg (Rabbit) |
| Inhalative | LC50 (4h) | >25 mg/l (Rat) |

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Causes serious eye irritation.
· **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 drowsiness or dizziness.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

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· **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. |

## SECTION 12: Ecological information

· **12.1 Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **7440-66-6 zinc powder -zinc dust (stabilized)** | |
| EC50 | 354 ug/l (dap) |
| NOEC (21 days) | 178 ug/l (Crustaceeen-Palaemon elegans) |
| NOEC (72h) | 9 mg/l (Ceratophyllum demersum) |
| | 0.017 mg/l (Pseudokirchneriella subcapitata) |
| NOEC (72h) | 72.9 ug/l (Pseudokirchneriella subcapitata) |
| NOEC (28 days) | 8.3 ug/l (Cyprinus carpio) |
| EC10 (21 days) | 59.2 ug/l (Daphnia magna) |
| EC10 (72h) | 27.3 ug/l (Algae) |
| EC50 (72h) | 0.17 mg/l (Selenastrum capricornatum) |
| LC50 (96h) | 0.41 mg/l (Oncorhynchus mykiss) |
| EC50 (48h) | 1 mg/l (Daphnia magna) |
| EC50 (96h) | 0.527 mg/l (Algae) |
| LC50 | 238-269 ug/l (fi2) |
| **67-64-1 Acetone** | |
| EC50 | 8800 mg/l (Daphnia magna) |
| | 8300 mg/l (Fish) |
| **128601-23-0 Hydrocarbons,C9,aromatics** | |
| NOELR (72h) | 1 mg/l (Pseudokirchneriella subcapitata) |
| EL50 (48h) | 3.2 mg/l (Daphnia magna) |
| LL50 (96h) | 9.2 mg/l (Oncorhynchus mykiss) |
| **Reaction mass of ethylbenzene and xylene** | |
| NOEC | 1.3 mg/l (Fish) |
| NOEC (7 days) | 0.96 mg/l (Daphnia magna) |
| NOEC (72h) | 0.44 mg/l (Algae) |
| NOEC (28 days) | 16 mg/l (Bacteria) |
| LC50 (96h) | 8.9-16.4 mg/l (Pimephales promelas) |
| EC50 (48h) | 3.2-9.5 mg/l (Daphnia magna) |
| **1314-13-2 zinc oxide** | |
| LC50 | >320 mg/l (Lepomis macrochirus) |
| | 1.1 mg/l (Onc) |
| | 0.17 mg/l (Selenastrum capricornatum) |
| | 2246 mg/l (fi2) |
| NOEC (72h) | 0.017 mg/l (Pseudokirchneriella subcapitata) |
| EC50 (72h) | 0.17 mg/l (Selenastrum capricornatum) |
| EC50 (48h) | 1 mg/l (Daphnia magna) |
| EC50 | >1000 mg/l (dap) |

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| **67-63-0 propan-2-ol** | |
|---|---|
| LOEC (8 days) | 1000 mg/l (Algae) |
| LC50 (96h) | 9640 mg/l (Pimephales promelas) |
| LC50 (24h) | 9714 mg/l (Daphnia magna) |

· **12.2 Persistence and degradability** Not easily biodegradable
· **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:** Very toxic for fish
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms

## SECTION 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.

| · **European waste catalogue** | |
|---|---|
| HP3 | Flammable |
| HP4 | Irritant - skin irritation and eye damage |
| HP14 | Ecotoxic |

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

## SECTION 14: Transport information

· **14.1 UN number or ID number**
· **ADR, ADN, IMDG, IATA** UN1950

· **14.2 UN proper shipping name**
· **ADR, ADN** UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
· **IMDG** AEROSOLS, MARINE POLLUTANT
· **IATA** AEROSOLS, flammable

· **14.3 Transport hazard class(es)**

· **ADR**

· **Class** 2 5F Gases.

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| | |
|---|---|
| · **Label** | 2.1 |
| · **ADN** | |
| · **ADN/R Class:** | 2 5F |
| · **IMDG** | |
|  | |
| · **Class** | 2.1 Gases. |
| · **Label** | 2.1 |
| · **IATA** | |
|  | |
| · **Class** | 2.1 Gases. |
| · **Label** | 2.1 |
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | Void |
| · **14.5 Environmental hazards:** | Product contains environmentally hazardous substances: Hydrocarbons,C9,aromatics |
| · **Marine pollutant:** | Yes |
| | 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>SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, 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** | |
| · **Excepted quantities (EQ)** | Code: E0<br>Not permitted as Excepted Quantity |
| · **Tunnel restriction code** | D |
| · **IMDG** | |
| · **Limited quantities (LQ)** | 1L |

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| | |
|---|---|
| · **Excepted quantities (EQ)** | Code: E0<br>Not permitted as Excepted Quantity |
| · **UN "Model Regulation":** | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS |

## SECTION 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**
E1 Hazardous to the Aquatic Environment
P3a FLAMMABLE AEROSOLS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

| | | |
|---|---|---|
| 67-64-1 | Acetone | |

· **Regulation (EC) No 273/2004 on drug precursors**

| | | |
|---|---|---|
| 67-64-1 | Acetone | 3 |

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

| | | |
|---|---|---|
| 67-64-1 | Acetone | 3 |

· **National regulations:**

· **Breakdown regulations:**

| Class | Share in % |
|---|---|
| NK | 50-<75 |

· **VOC-CH** 64.47 %
· **VOC-EU** 671.8 g/l
· **Danish MAL Code** 5-3
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 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.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.

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H315 Causes skin irritation.
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.
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.
EUH066 Repeated exposure may cause skin dryness or cracking.

· **Classification according to Regulation (EC) No 1272/2008**
Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula).

· **Date of previous version:** 27.01.2022
· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (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 (Liq.): Gases under pressure – Liquefied gas
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – 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