# Safety data sheet

**according to 1907/2006/EC, Article 31**

*Printing date 23.01.2023* *Version number 3 (replaces version 2)* *Revision: 19.01.2023*

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

### · 1.1 Product identifier

· **Trade name: Ultrafill 3 RED**

· **Article number:** 86152

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

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

· **Application of the substance / the mixture** Priming

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

· **Manufacturer/Supplier:**

KENT (United Kingdom) Ltd
Forsyth House
Pitreavie Drive
Pitreavie Business Park
Dunfermline
Fife
KY11 8US

Tel: +44 01383 723344 / 0800 136925 Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm
Fax: +44 1383 620079
SDS@kenteurope.com

### · 1.4 Emergency telephone number:

Tel: +44 01383 723344 During normal office hours - Monday - Thursday 8.30am - 5.30pm, Friday 9.00am - 3.00pm

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## SECTION 2: Hazards identification

### · 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**

flame

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

health hazard

Carc. 2 H351 Suspected of causing cancer.

Eye Irrit. 2 H319 Causes serious eye irritation.

### · 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 GHS07 GHS08

· **Signal word** Danger

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

4-methylpentan-2-one

· **Hazard statements**

H222 Extremely flammable aerosol.

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H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.

· **Precautionary statements**

| | |
|---|---|
| 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. |
| P280 | Wear protective gloves / eye protection. |
| P304+P312 | IF INHALED: Call a POISON CENTER/doctor if you feel unwell. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| 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.
Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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## SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of the substances listed below with harmless additions.

· **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 (Comp.), H280 | 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: 108-10-1<br>EINECS: 203-550-1<br>Reg.nr.: 01-2119473980-30 | 4-methylpentan-2-one<br>Flam. Liq. 2, H225; Carc. 2, H351; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 | 10-25% |
| CAS: 1332-58-7<br>EC number: 310-194-1 | Kaolin<br>substance with a Community workplace exposure limit | 5-10% |
| CAS: 13463-67-7<br>EINECS: 236-675-5 | Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]<br>substance with a Community workplace exposure limit | 5-10% |
| CAS: 68476-85-7<br>EINECS: 270-704-2 | Petroleum gases, liquefied (contains less than 0.1 % w/w 1,3-butadiene (EINECS No 203-450-8)).<br>Flam. Gas 1A, H220; Press. Gas (Comp.), H280 | 5-10% |
| CAS: 78-93-3<br>EINECS: 201-159-0<br>Reg.nr.: 01-2119457290-43 | Butanone<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 | <5% |
| CAS: 108-65-6<br>EINECS: 203-603-9<br>Reg.nr.: 01-2119475791-29 | 2-methoxy-1-methylethyl acetate<br>Flam. Liq. 3, H226 | <5% |
| CAS: 123-86-4<br>EINECS: 204-658-1<br>Reg.nr.: 01-2119485493-29 | n-butyl acetate<br>Flam. Liq. 3, H226; STOT SE 3, H336, EUH066 | <5% |

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

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## SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact** Instantly rinse with water.

· **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **After swallowing** Rinse out mouth.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

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## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
· **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained breathing apparatus.
Do not inhale explosion gases or combustion gases.
· **Additional information** Cool endangered containers with water spray jet.

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## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Dispose of 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 information on disposal.

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## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized 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.
Do not spray on flames or red-hot objects.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:**
Store in cool location.
Observe official regulations on storing packagings with pressurised containers.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store container in a well ventilated position.
· **Storage class** 2 B
· **7.3 Specific end use(s)** No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

| · **Components 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 |

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| | |
|---|---|
| **67-64-1 Acetone** | |
| WEL | Short-term value: 3620 mg/m³, 1500 ppm<br>Long-term value: 1210 mg/m³, 500 ppm |
| **108-10-1 4-methylpentan-2-one** | |
| WEL | Short-term value: 416 mg/m³, 100 ppm<br>Long-term value: 208 mg/m³, 50 ppm<br>Sk, BMGV |
| **1332-58-7 Kaolin** | |
| WEL | Long-term value: 2 mg/m³ |
| **13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]** | |
| WEL | Long-term value: 10* 4** mg/m³<br>*total inhalable **respirable |
| **68476-85-7 Petroleum gases, liquefied (contains less than 0.1 % w/w 1,3-butadiene (EINECS No 203-450-8)).** | |
| WEL | Short-term value: 2180 mg/m³, 1250 ppm<br>Long-term value: 1750 mg/m³, 1000 ppm<br>Carc (if LPG contains > 0.1% of buta-1.3-diene) |
| **78-93-3 Butanone** | |
| WEL | Short-term value: 899 mg/m³, 300 ppm<br>Long-term value: 600 mg/m³, 200 ppm<br>Sk, BMGV |
| **108-65-6 2-methoxy-1-methylethyl acetate** | |
| WEL | Short-term value: 548 mg/m³, 100 ppm<br>Long-term value: 274 mg/m³, 50 ppm<br>Sk |
| **123-86-4 n-butyl acetate** | |
| WEL | Short-term value: 966 mg/m³, 200 ppm<br>Long-term value: 724 mg/m³, 150 ppm |

· **Regulatory information** WEL: EH40/2020

· **DNELs**

| | | |
|---|---|---|
| **115-10-6 Dimethyl ether** | | |
| Inhalative | Long term systemic effect | 1,894 mg/m3 (Worker) |
| **67-64-1 Acetone** | | |
| Dermal | Long term systemic effect | 186 mg/kg bw/day (Worker) |
| Inhalative | Long term systemic effect | 1,210 mg/m3 (Worker) |
| | Acute local effect | 2,420 mg/m3 (Worker) |
| **108-10-1 4-methylpentan-2-one** | | |
| Dermal | Long term systemic effect | 11.8 mg/kg/day (Worker) |
| Inhalative | Long term systemic effect | 83 mg/m³ (Worker) |
| | Acute local effect | 208 mg/m³ (Worker) |
| | Long term local effect | 83 mg/m³ (Worker) |
| | Acute systemic effect | 208 mg/m³ (Worker) |
| **78-93-3 Butanone** | | |
| Dermal | Long term systemic effect | 1,161 mg/kg bw/dy (Worker) |
| Inhalative | Long term systemic effect | 600 mg/m3 (Worker) |
| **108-65-6 2-methoxy-1-methylethyl acetate** | | |
| Dermal | Long term systemic effect | 796 mg/kg/day (Worker) |
| Inhalative | Long term systemic effect | 275 mg/m³ (Worker) |
| | Long term local effect | 550 mg/m3 (Worker) |
| **123-86-4 n-butyl acetate** | | |
| Dermal | Acute systemic effect | 11 mg/kg bw/day (Worker) |
| | Long term systemic effect | 11 mg/kg bw/day (Worker) |
| Inhalative | Long term systemic effect | 300 mg/m3 (Worker) |
| | Acute local effect | 600 mg/m³ (Worker) |
| | Long term local effect | 300 mg/m³ (Worker) |
| | Acute systemic effect | 600 mg/m³ (Worker) |
| **78-83-1 Butanol** | | |
| Inhalative | Long term local effect | 310 mg/l (Worker) |

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| | | |
|---|---|---|
| **100-41-4 ethylbenzene** | | |
| Dermal | Long term systemic effect | 180 mg/kg/day (Worker) |
| Inhalative | Acute local effect | 293 mg/m³ (Worker) |
| | Long term local effect | 77 mg/m³ (Worker) |
| **1330-20-7 xylene** | | |
| Dermal | Long term local effect | 3,182 mg/kg/day (Worker) |
| Inhalative | Acute local effect | 442 mg/m3 (Worker) |
| | Long term local effect | 221 mg/m3 (Worker) |
| **64742-95-6 Hydrocarbons, C9, aromatics** | | |
| Dermal | Long term systemic effect | 25 mg/kg/day (Worker) |
| Inhalative | Long term systemic effect | 150 mg/m³ (Worker) |

· **PNECs**

| | |
|---|---|
| **115-10-6 Dimethyl ether** | |
| PNEC | 0.155 mg/l (Aqua (freshwater)) |
| | 1,549 mg/l (Aqua (intermittent)) |
| | 0.016 mg/l (Aqua (marine water)) |
| | 0.681 mg/l (Freshwater sediment) |
| | 0.069 mg/l (Marine water sediment) |
| | 0.045 mg/l (Soil) |
| **67-64-1 Acetone** | |
| PNEC | 10.6 mg/l (Aqua (freshwater)) |
| | 21 mg/l (Aqua (intermittent)) |
| | 1.06 mg/l (Aqua (marine water)) |
| | 30.4 mg/kg (Freshwater sediment) |
| | 3.04 mg/kg (Marine water sediment) |
| | 29.5 mg/kg (Soil) |
| **108-10-1 4-methylpentan-2-one** | |
| PNEC | 0.6 mg/l (Aqua (freshwater)) |
| | 0.06 mg/l (Aqua (marine water)) |
| | 8.27 mg/kg (Freshwater sediment) |
| | 0.83 mg/kg (Marine water sediment) |
| | 27.5 mg/l (Sewage treatment plant) |
| | 1.3 mg/kg (Soil) |
| **13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]** | |
| PNEC | 0.184 mg/l (Aqua (freshwater)) |
| | 0.193 mg/l (Aqua (intermittent)) |
| | 0.0184 mg/l (Aqua (marine water)) |
| | 1,000 mg/kg (Freshwater sediment) |
| | 100 mg/kg (Marine water sediment) |
| | 100 mg/l (Sewage treatment plant) |
| | 100 mg/kg (Soil) |
| **108-65-6 2-methoxy-1-methylethyl acetate** | |
| PNEC | 0.635 mg/l (Aqua (freshwater)) |
| | 1.27 mg/l (Aqua (intermittent)) |
| | 0.0127 mg/l (Aqua (marine water)) |
| | 26,670 mg/kg (Marine water sediment) |
| | 38.3 mg/l (Sewage treatment plant) |
| | 53,182 mg/kg (Soil) |
| **123-86-4 n-butyl acetate** | |
| PNEC | 0.18 mg/l (Aqua (freshwater)) |
| | 0.36 mg/ml (Aqua (intermittent)) |
| | 0.018 mg/ml (Aqua (marine water)) |
| | 0.981 mg/kg (Freshwater sediment) |
| | 0.0981 mg/kg (Marine water sediment) |
| | 35.6 mg/l (Sewage treatment plant) |

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| | |
|---|---|
| | 0.09 mg/kg (Soil) |
| **78-83-1 Butanol** | |
| PNEC | 0.04 mg/l (Aqua (freshwater)) |
| | 11 mg/l (Aqua (intermittent)) |
| | 0.04 mg/l (Aqua (marine water)) |
| | 1.52 mg/l (Freshwater sediment) |
| | 0.152 mg/kg (Marine water sediment) |
| | 0.0699 mg/kg (Soil) |
| **100-41-4 ethylbenzene** | |
| PNEC | 0.1 mg/l (Aqua (freshwater)) |
| | 0.1 mg/l (Aqua (intermittent)) |
| | 0.1 mg/l (Aqua (marine water)) |
| **1330-20-7 xylene** | |
| PNEC | 0.327 mg/l (Aqua (freshwater)) |
| | 0.327 mg/l (Aqua (marine water)) |
| | 12.46 mg/l (Freshwater sediment) |
| | 12.46 mg/l (Marine water sediment) |
| | 6.58 mg/l (Sewage treatment plant) |
| | 2.31 mg/kg (Soil) |

| · **Ingredients with biological limit values:** | |
|---|---|
| **108-10-1 4-methylpentan-2-one** | |
| BMGV | 20 µmol/L<br>Medium: urine<br>Sampling time: post shift<br>Parameter: 4-methylpentan-2-one |
| **78-93-3 Butanone** | |
| BMGV | 70 µmol/L<br>Medium: urine<br>Sampling time: post shift<br>Parameter: butan-2-one |

· **Additional information:** The lists that were valid during the compilation 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**
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
· **Breathing equipment:**
Only during spraying without adequate removal by suction.
Filter AX (EN 14387)
· **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**
Wear suitable gloves tested to EN 374
Nitrile rubber, NBR
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**
Value for the permeation: Level 6 > 480 minutes
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye/face protection**

*Safety glasses (EN 166)*

*Tightly sealed safety glasses. (EN 166)*

· **Body protection:** *Protective work clothing (EN-13034/6)*

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## 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.* |
| · **Melting point/freezing point:** | *Not determined* |
| · **Boiling point or initial boiling point and boiling range** | *Not applicable, as aerosol* |
| · **Flammability** | *Not applicable.* |
| · **Lower and upper explosion limit** | |
| · **Lower:** | *1.4 Vol %* |
| · **Upper:** | *26.2 Vol %* |
| · **Flash point:** | *Not applicable, as aerosol* |
| · **Ignition temperature:** | *226 °C* |
| · **Decomposition temperature:** | *Not determined.* |
| · **pH** | *Mixture is non-polar/aprotic.* |
| · **Viscosity:** | |
| · **Kinematic viscosity** | *Not determined.* |
| · **dynamic:** | *Not determined.* |
| · **Solubility** | |
| · **Water:** | *Not miscible / difficult to mix* |
| · **Partition coefficient n-octanol/water (log value)** | *Not determined.* |
| · **Vapour pressure:** | *513 - 1760 kPa* |
| · **Density and/or relative density** | |
| · **Density** | *Not determined* |
| · **Relative density at 20 °C** | *0.8* |
| · **Vapour density** | *Not determined.* |

### · 9.2 Other information

| | |
|---|---|
| · **Appearance:** | |
| · **Form:** | *Aerosol* |
| · **Important information on protection of health and environment, and on safety.** | |
| · **Self-inflammability:** | *Product is not selfigniting.* |
| · **Explosive properties:** | *Not determined.* |
| · **Solvent content:** | |
| · **Organic solvents:** | *660 g/l VOC* |
| · **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* |

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| | |
|---|---|
| · **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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## 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** Heat. Hot surfaces. Sources of ignition. Flames.
· **10.5 Incompatible materials:** Oxidizing agents
· **10.6 Hazardous decomposition products:**
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide

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## 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 that are relevant for classification:** | | |
|---|---|---|
| **67-64-1 Acetone** | | |
| Oral | LD50 | 5,800 mg/kg (Rat) |
| Dermal | LD50 | 20,000 mg/kg (Rabbit) |
| **108-10-1 4-methylpentan-2-one** | | |
| Oral | LD50 | 2,100 mg/kg (Rat) |
| Dermal | LD50 | 16,000 mg/kg (Rabbit) |
| **13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]** | | |
| Oral | LD50 | >20,000 mg/kg (Rat) |
| Dermal | LD50 | >10,000 mg/kg (rbt) |
| | ErC 50 | 61 mg/l (Algae) (EPA 600/9-78-018, 72 hr) |
| **78-93-3 Butanone** | | |
| Oral | LD50 | 3,300 mg/kg (Rat) |
| Dermal | LD50 | 5,000 mg/kg (Rabbit) |
| **108-65-6 2-methoxy-1-methylethyl acetate** | | |
| Oral | LD50 | 8,500 mg/kg (Rat) |
| **123-86-4 n-butyl acetate** | | |
| Oral | LD50 | 14,000 mg/kg (Rat) |
| **78-83-1 Butanol** | | |
| Oral | LD50 | 2,460 mg/kg (Rat) |
| Dermal | LD50 | 4,200 mg/kg (Rabbit) |
| **100-41-4 ethylbenzene** | | |
| Oral | LD50 | 3,500 mg/kg (Rat) |
| Dermal | LD50 | 5,000 mg/kg (Rabbit) |
| **108-90-7 chlorobenzene** | | |
| Oral | LD50 | 2,910 mg/kg (Rat) |
| **1330-20-7 xylene** | | |
| Oral | LD50 | 4,300 mg/kg (Rat) |
| Dermal | LD50 | 2,000 mg/kg (Rabbit) |

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| **64742-95-6 Hydrocarbons, C9, aromatics** | | |
|---|---|---|
| Oral | LD50 | >6,800 mg/kg (Rat) |
| Dermal | LD50 | >3,400 mg/kg (Rabbit) |

· **Serious eye damage/irritation** Causes serious eye irritation.
· **Carcinogenicity** Suspected of causing cancer.
· **11.2 Information on other hazards**

| · **Endocrine disrupting properties** | | |
|---|---|---|
| 78-93-3 | Butanone | List II |

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## SECTION 12: Ecological information

· **12.1 Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **115-10-6 Dimethyl ether** | |
| EC50 (48 hr) | >4,000 mg/l (Daphnia magna) |
| EL50 (48 hr) | 4,001 mg/l (Daphnia magna) |
| LC50 (48 hr) | 755,549 mg/l (Daphnia magna) |
| LC50 (96 hr) | 154.9 mg/l (Algae) |
| | 4,001 mg/l (Poecilia reticulata) |
| **67-64-1 Acetone** | |
| EC50 | 61,150 mg/l (Activated sludge) (30 mins) |
| EC50 (48 hr) | 39 mg/l (Daphnia magna) |
| LC50 (96 hr) | 8,300 mg/l (Fish) |
| | 5,540 mg/l (Oncorhynchus mykiss) |
| NOEC (28 days) | 2,212 mg/l (Daphnia magna) |
| **108-10-1 4-methylpentan-2-one** | |
| EC50 (48 hr) | >200 mg/l (Crustacea) |
| LC50 (96 hr) | >179 mg/l (Fish) |
| **13463-67-7 Titanium dioxide [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]** | |
| LC50 (48 hr) | 5.5 mg/l (Crustacea) |
| LC50 (96 hr) | >100 mg/l (Oncorhynchus mykiss) (= OECD 203) |
| **68476-85-7 Petroleum gases, liquefied (contains less than 0.1 % w/w 1,3-butadiene (EINECS No 203-450-8)).** | |
| EC50 (96 hr) | 12.32 mg/l (Algae) ((Q)SAR calculation method) |
| LC50 (48 hr) | 69.43 mg/l (Daphnia magna) ((Q)SAR calculation method) |
| LC50 (96 hr) | 49.47 mg/l (Fish) ((Q)SAR calulation method) |
| **78-93-3 Butanone** | |
| EC50 (48 hr) | 308 mg/l (Daphnia magna) |
| LC50 (96 hr) | 2,993 mg/l (Pimephales promelas) |
| **108-65-6 2-methoxy-1-methylethyl acetate** | |
| EC50 (48 hr) | >100 mg/l (Crustacea) |
| EC50 (72 hr) | >100 mg/l (Algae) |
| LC50 (96 hr) | >100 mg/l (Fish) |
| NOEC | 100 mg/l (Crustacea) |
| | >10 mg/l (Fish) |
| **123-86-4 n-butyl acetate** | |
| EC50 (48 hr) | 44 mg/l (Daphnia magna) |
| EC50 (72 hr) | 674.7 mg/l (Desmodesmus subspicatus) |
| LC50 (48 hr) | 44 mg/l (Daphnia magna) |
| LC50 (96 hr) | 18 mg/l (Pimephales promelas) |
| NOEC (72 hr) | 200 mg/l (Desmodesmus subspicatus) |
| **78-83-1 Butanol** | |
| CE10 (16 hr) | 750 mg/l (Pseudomonas Putida) (Bacteria: CE10) |
| CE50 (15 mins) | 1,225 mg/l (Photobacterium phosphoreum) (Bacteria: Microtox Test: long term toxicity) |
| CI 50 (48 hr) | 1,439 mg/l (Daphnia magna) ((DIN 38412)) |
| CL50 | 1,430 mg/l (Pimephales promelas) (96 hours) |

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| | |
|---|---|
| EC50 (48 hr) | 1,100 mg/l (Daphnia magna) |
| EC50 (72 hr) | 1,799 mg/l (Selenastrum capricornutum) |
| EL50 (48 hr) | 885 mg/l (Leuciscus Idus) (CLO, 48 h (DIN 38412)) |
| LC50 (96 hr) | 1,430 mg/l (Pimephales promelas) |
| NOEC | >1,000 mg/l (Activated sludge) |
| NOEC (21 days) | 20 mg/l (Daphnia magna) |
| **100-41-4 ethylbenzene** | |
| EC50 | >100 mg/l (Daphnia magna) |
| LC50 (96 hr) | >10 mg/l (Fish) |
| **1330-20-7 xylene** | |
| CE50 | 10 mg/l (Fish) (72h) |
| EC50 (48 hr) | 7.4 mg/l (Daphnia magna) |
| LC50 (96 hr) | 3.77-13.5 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** For information on endocrine disrupting properties see section 11.
· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

* 
## SECTION 13: Disposal considerations

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

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

* 
## SECTION 14: Transport information

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

· **14.2 UN proper shipping name**
· **ADR** 1950 AEROSOLS
· **IMDG** AEROSOLS
· **IATA** AEROSOLS, flammable

· **14.3 Transport hazard class(es)**

· **ADR**

· **Class** 2 5F Gases.
· **Label** 2.1

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· **IMDG, IATA**

| | |
|---|---|
| · **Class** | 2.1 Gases. |
| · **Label** | 2.1 |
| · **14.4 Packing group** | |
| · **ADR, IMDG, IATA** | Void |
| · **14.5 Environmental hazards:** | |
| · **Marine pollutant:** | No |
| · **14.6 Special precautions for user** | Warning: Gases. |
| · **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: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.<br>For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.<br>For WASTE AEROSOLS: 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 |

* 

## 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** P3a FLAMMABLE AEROSOLS
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **National regulations**

· **Technical instructions (air):**

| Class | Share in % |
|---|---|
| NK | 65.5 |

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they 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.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
EUH066 Repeated exposure may cause skin dryness or cracking.

· **Department issuing data specification sheet:** Environment protection department

· **Abbreviations and acronyms:**
RID: (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: 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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (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
: Aerosols – Category 3
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
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **Data compared to the previous version altered.** *