# SOLENT INDUSTRIAL CLEANER SPRAY

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 02/10/2024 Revision date: 18/09/2024 Supersedes version of: 17/11/2022 Version: 1.1

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product name | : | SOLENT INDUSTRIAL CLEANER SPRAY |
| Product code | : | UDS000983AE |
| Type of product | : | Detergent |
| Vaporizer | : | Aerosol |

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

**Relevant identified uses**

| | | |
|---|---|---|
| Main use category | : | Professional use |
| Use of the substance/mixture | : | Cleaners - Heavy duty |

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

65 Chartwell Drive,
Leicester,
Wigston LE18 2FS
T- 0800 338877
Contactus@cromwell.co.uk

### 1.4. Emergency telephone number

Emergency number : 08000 338877 contactus@cromwell.co.uk
Monday – Friday 7am – 7pm, Saturday 8am – 12pm

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| | |
|---|---|
| Aerosol, Category 1 | H222;H229 |
| Skin corrosion/irritation, Category 2 | H315 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 |
| Aspiration hazard, Category 1 | H304 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS02 GHS07 GHS09

| | | |
|---|---|---|
| Signal word (CLP) | : | Danger |
| Contains | : | propan-2-ol; isopropyl alcohol; isopropanol; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics |
| Hazard statements (CLP) | : | H222 - Extremely flammable aerosol.<br>H229 - Pressurised container: May burst if heated. |

| | | |
|---|---|---|
| | | H315 - Causes skin irritation.<br>H319 - Causes serious eye irritation.<br>H336 - May cause drowsiness or dizziness.<br>H411 - Toxic to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : | P102 - Keep out of reach of children.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P211 - Do not spray on an open flame or other ignition source.<br>P251 - Do not pierce or burn, even after use.<br>P261 - Avoid breathing vapours/spray.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.<br>P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | EC-No.: 927-510-4<br>REACH-no: 01-2119475515-33 | 30 – 60 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] (Propellant gas (Aerosol))<br>substance with national workplace exposure limit(s) (GB) | CAS-No.: 68476-85-7<br>EC-No.: 270-704-2<br>EC Index-No.: 649-202-00-6 | 30 – 60 | Flam. Gas 1, H220<br>Press. Gas (Comp.), H280 |
| propan-2-ol; isopropyl alcohol; isopropanol<br>substance with national workplace exposure limit(s) (GB) | CAS-No.: 67-63-0<br>EC-No.: 200-661-7<br>EC Index-No.: 603-117-00-0<br>REACH-no: 01-2119457558-25 | 10 – 25 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.
Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

| | | |
|---|---|---|
| First-aid measures general | : | Call a physician immediately. |
| First-aid measures after inhalation | : | Remove person to fresh air and keep comfortable for breathing. If signs/symptoms develop, get medical attention. |

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. Seek medical attention if irritation develops.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Seek medical attention if irritation develops.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately. Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : Risk of lung oedema.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurised container: May burst if heated.

Hazardous decomposition products in case of fire : During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

Firefighting instructions : Move containers from fire area if it can be done without personal risk. Use standard firefighting procedures and consider the hazards of other involved materials.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel**

Protective equipment : Wear appropriate protective equipment and clothing during clean-up.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

**For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

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

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Following product recovery, flush area with water. Take up small spills with dry chemical absorbent. Clean surface thoroughly to remove residual contamination.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid prolonged exposure. Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Keep container closed when not in use.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**National occupational exposure and biological limit values**

| **propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)** | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Propan-2-ol |
| WEL TWA (OEL TWA) | 999 mg/m³ |
| | 400 ppm |
| WEL STEL (OEL STEL) | 1250 mg/m³ |
| | 500 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| **Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)** | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| Local name | Liquefied petroleum gas |
| WEL TWA (OEL TWA) | 1750 mg/m³ |
| | 1000 ppm |
| WEL STEL (OEL STEL) | 2180 mg/m³ |
| | 1250 ppm |
| Remark | Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene)) |

| **Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)** | |
|---|---|
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

**DNEL and PNEC**

| **propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)** | |
|---|---|
| **DNEL/DMEL (Workers)** | |
| Long-term - systemic effects, dermal | 888 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 500 mg/m³ |
| **DNEL/DMEL (General population)** | |
| Long-term - systemic effects,oral | 26 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 89 mg/m³ |
| Long-term - systemic effects, dermal | 319 mg/kg bodyweight/day |
| **PNEC (Water)** | |
| PNEC aqua (freshwater) | 140.9 mg/l |
| PNEC aqua (marine water) | 140.9 mg/l |
| PNEC aqua (intermittent, freshwater) | 140.9 mg/l |
| **PNEC (Sediment)** | |
| PNEC sediment (freshwater) | 552 mg/kg dwt |
| PNEC sediment (marine water) | 552 mg/kg dwt |
| **PNEC (Soil)** | |
| PNEC soil | 28 mg/kg dwt |
| **PNEC (Oral)** | |
| PNEC oral (secondary poisoning) | 160 mg/kg food |
| **PNEC (STP)** | |
| PNEC sewage treatment plant | 2251 mg/l |

| **Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics** | |
|---|---|
| **DNEL/DMEL (Workers)** | |
| Long-term - systemic effects, dermal | 300 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 2085 mg/m³ |
| **DNEL/DMEL (General population)** | |
| Long-term - systemic effects,oral | 149 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 447 mg/m³ |
| Long-term - systemic effects, dermal | 149 mg/kg bodyweight/day |

## 8.2. Exposure controls

**Appropriate engineering controls**

**Appropriate engineering controls:**
Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal protection equipment

**Personal protective equipment symbol(s):**



### Eye and face protection

**Eye protection:**
Use eye protection according to EN 166. Safety glasses with side shields.

### Skin protection

**Skin and body protection:**
Wear suitable protective clothing

**Hand protection:**
Wear suitable gloves tested to EN374. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended.

### Respiratory protection

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapour respirator. Filter type: A

### Thermal hazards

**Thermal hazard protection:**
Not expected to present a significant hazard under anticipated conditions of normal use. Wear appropriate thermal protective clothing, when necessary.

### Environmental exposure controls

**Environmental exposure controls:**
Avoid release to the environment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | Colourless. |
| Appearance | : | Propane/butane propelled liquid. |
| Odour | : | characteristic. |
| Odour threshold | : | Not available |
| Melting point | : | No data available |
| Freezing point | : | Not available |
| Boiling point | : | 82 °C |
| Flammability | : | Extremely flammable aerosol. |
| Explosive properties | : | Pressurised container: May burst if heated. |
| Lower explosion limit | : | 1.1 vol % |
| Upper explosion limit | : | 7 vol % |
| Flash point | : | -4 °C |
| Auto-ignition temperature | : | > 200 °C |
| Decomposition temperature | : | Not available |
| pH | : | Not applicable |
| Viscosity, kinematic | : | < 20.5 mm²/s at 40 °C |
| Solubility | : | Insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : | Not applicable |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | 0.725 g/cm³ at 20 °C |
| Relative density | : | 0.725 at 20 °C |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

**Information with regard to physical hazard classes**

% of flammable ingredients : 75 – 100 %

**Other safety characteristics**

Additional information : For aerosols data for the product without propellant.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.
Hardening time : Not applicable.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides (CO, CO2).

## SECTION 11: Toxicological information

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

**Acute toxicity (oral)** : Not classified (Based on available data, the classification criteria are not met)
**Acute toxicity (dermal)** : Not classified (Based on available data, the classification criteria are not met)
**Acute toxicity (inhalation)** : Not classified (Based on available data, the classification criteria are not met)

| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | |
|---|---|
| LD50 oral rat | 5840 mg/kg bodyweight |

| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | |
|---|---|
| LD50 oral rat | > 5000 mg/kg bodyweight |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | > 23.3 mg/l/4h |

**Skin corrosion/irritation** : Causes skin irritation.
pH: Not applicable

**Serious eye damage/irritation** : Causes serious eye irritation.
pH: Not applicable

**Respiratory or skin sensitisation** : Not classified (Based on available data, the classification criteria are not met)
**Germ cell mutagenicity** : Not classified (Based on available data, the classification criteria are not met)
**Carcinogenicity** : Not classified (Based on available data, the classification criteria are not met)
**Reproductive toxicity** : Not classified (Based on available data, the classification criteria are not met)
**STOT-single exposure** : May cause drowsiness or dizziness.

| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

**STOT-repeated exposure** : Not classified (Based on available data, the classification criteria are not met)

| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | |
|---|---|
| LOAEC (inhalation, rat, vapour, 90 days) | 16.6 mg/l air |
| NOAEC (inhalation, rat, vapour, 90 days) | 3.3 mg/l air |

**Aspiration hazard** : May be fatal if swallowed and enters airways.

| SOLENT INDUSTRIAL CLEANER SPRAY | |
|---|---|
| Vaporizer | Aerosol |
| Viscosity, kinematic | < 20.5 mm²/s at 40 °C |

| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | |
|---|---|
| Viscosity, kinematic | 0.67 mm²/s |

### 11.2. Information on other hazards

**Endocrine disrupting properties**

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | |
|---|---|
| LC50 - Fish [1] | 10000 mg/l |
| LC50 - Fish [2] | 9640 mg/l |

| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | |
|---|---|
| EC50 - Crustacea [1] | 1.5 mg/l Daphnia magna (Water flea) |
| LOEC (chronic) | 0.32 mg/l (21 d) |
| NOEC (chronic) | 0.17 mg/l (21 d) |

### 12.2. Persistence and degradability

| SOLENT INDUSTRIAL CLEANER SPRAY | |
|---|---|
| Persistence and degradability | No data is available on the degradability of this product. Not established. |

### 12.3. Bioaccumulative potential

| SOLENT INDUSTRIAL CLEANER SPRAY | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | Not applicable |
| **Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] (68476-85-7)** | |
| Partition coefficient n-octanol/water (Log Pow) | 2.3 |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| SOLENT INDUSTRIAL CLEANER SPRAY | |
|---|---|
| Results of PBT assessment | Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII |

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

### 12.7. Other adverse effects

Additional information : No other effects known
Global warming potential (GWP) : 1.05 (Fluorinated greenhouse gases - (EC) No 2024/573)

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW, EC 2000/532) : According to the European Waste Catalogue (EWC), Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number or ID number** | | | | |
| UN 1950 | UN 1950 | UN 1950 | UN 1950 | UN 1950 |
| **14.2. UN proper shipping name** | | | | |
| AEROSOLS | AEROSOLS | Aerosols, flammable | AEROSOLS | AEROSOLS |
| **Transport document description** | | | | |
| UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS |

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.3. Transport hazard class(es)** | | | | |
| 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
|  |  |  |  |  |
| **14.4. Packing group** | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes<br>Marine pollutant: Yes<br>EmS-No. (Fire): F-D<br>EmS-No. (Spillage): S-U | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | | |

## 14.6. Special precautions for user

**Overland transport**

| | | |
|---|---|---|
| Classification code (ADR) | : | 5F |
| Special provisions (ADR) | : | 190, 327, 344, 625 |
| Limited quantities (ADR) | : | 1l |
| Excepted quantities (ADR) | : | E0 |
| Packing instructions (ADR) | : | P207, LP200 |
| Special packing provisions (ADR) | : | PP87, RR6, L2 |
| Mixed packing provisions (ADR) | : | MP9 |
| Transport category (ADR) | : | 2 |
| Special provisions for carriage - Packages (ADR) | : | V14 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : | CV9, CV12 |
| Special provisions for carriage - Operation (ADR) | : | S2 |
| Tunnel restriction code (ADR) | : | D |

**Transport by sea**

| | | |
|---|---|---|
| Special provisions (IMDG) | : | 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG) | : | SP277 |
| Excepted quantities (IMDG) | : | E0 |
| Packing instructions (IMDG) | : | P207, LP200 |
| Special packing provisions (IMDG) | : | PP87, L2 |
| Stowage category (IMDG) | : | None |
| Stowage and handling (IMDG) | : | SW1, SW22 |
| Segregation (IMDG) | : | SG69 |

**Air transport**

| | | |
|---|---|---|
| PCA Excepted quantities (IATA) | : | E0 |
| PCA Limited quantities (IATA) | : | Y203 |
| PCA limited quantity max net quantity (IATA) | : | 30kgG |
| PCA packing instructions (IATA) | : | 203 |
| PCA max net quantity (IATA) | : | 75kg |
| CAO packing instructions (IATA) | : | 203 |
| CAO max net quantity (IATA) | : | 150kg |
| Special provisions (IATA) | : | A145, A167, A802 |
| ERG code (IATA) | : | 10L |

**Inland waterway transport**

| | | |
|---|---|---|
| Classification code (ADN) | : | 5F |

| | | |
|---|---|---|
| Special provisions (ADN) | : | 190, 327, 344, 625 |
| Limited quantities (ADN) | : | 1 L |
| Excepted quantities (ADN) | : | E0 |
| Equipment required (ADN) | : | PP, EX, A |
| Ventilation (ADN) | : | VE01, VE04 |
| Number of blue cones/lights (ADN) | : | 1 |

**Rail transport**

| | | |
|---|---|---|
| Classification code (RID) | : | 5F |
| Special provisions (RID) | : | 190, 327, 344, 625 |
| Limited quantities (RID) | : | 1L |
| Excepted quantities (RID) | : | E0 |
| Packing instructions (RID) | : | P207, LP200 |
| Special packing provisions (RID) | : | PP87, RR6, L2 |
| Mixed packing provisions (RID) | : | MP9 |
| Transport category (RID) | : | 2 |
| Special provisions for carriage – Packages (RID) | : | W14 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : | CW9, CW12 |
| Colis express (express parcels) (RID) | : | CE2 |
| Hazard identification number (RID) | : | 23 |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

**EU-Regulations**

**REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

**REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

**Ozone Regulation (1005/2009)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

**Council Regulation (EC) for the control of dual-use items**

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

**Detergent Regulation (648/2004)**

**Labelling of contents**

| Component | % |
|---|---|
| aliphatic hydrocarbons | ≥30% |

**Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: | |
|---|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |

| Abbreviations and acronyms: | |
|---|---|
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disruptor |

| Full text of H- and EUH-statements: | |
|---|---|
| Aerosol 1 | Aerosol, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Gas 1 | Flammable gases, Category 1 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| Press. Gas (Comp.) | Gases under pressure : Compressed gas |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |


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