

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ADDINOL Universal Cleaning Spray**

Revision date: 16.02.2023

Product code: 717304

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

ADDINOL Universal Cleaning Spray

UFI: WMA9-KQHN-WN6E-PQ4S

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Aerosol - Cleaning agent.

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

|                         |                                |                               |
|-------------------------|--------------------------------|-------------------------------|
| Company name:           | ADDINOL Lube Oil GmbH          |                               |
|                         | Gebäude 4609                   |                               |
| Street:                 | Am Haupttor                    |                               |
| Place:                  | D-06237 Leuna                  |                               |
| Telephone:              | +49 (0) 3461 845-0             | Telefax: +49 (0) 3461 845-555 |
| e-mail:                 | info@addinol.de                |                               |
| Contact person:         | Application Technology         |                               |
| Internet:               | www.addinol.de                 |                               |
| Responsible Department: | ADDINOL Application Technology |                               |

**Supplier**

|                 |                                |                            |
|-----------------|--------------------------------|----------------------------|
| Company name:   | GEM OILS LIMITED               |                            |
| Place:          | IRL-H12K298 Regaskin Co. Cavan |                            |
| Telephone:      | +353 49 4378116                | Telefax: +353 49 4368329   |
| e-mail:         | sales@gemoils.ie               |                            |
| Contact person: | GEM OILS LIMITED               | Telephone: +353 49 4378116 |
| e-mail:         | sales@gemoils.ie               |                            |
| Internet:       | https://gemoils.ie/            |                            |

**1.4. Emergency telephone number:**

Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Aerosol 1; H222-H229  
 Skin Irrit. 2; H315  
 Eye Irrit. 2; H319  
 STOT SE 3; H336  
 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard components for labelling**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane  
 propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Danger

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**Pictograms:****Hazard statements**

|      |  |
|------|--|
| H222 | Extremely flammable aerosol.                     |
| H229 | Pressurised container: May burst if heated.      |
| H315 | Causes skin irritation.                          |
| H319 | Causes serious eye irritation.                   |
| H336 | May cause drowsiness or dizziness.               |
| H411 | Toxic to aquatic life with long lasting effects. |

**Precautionary statements**

|           |   |
|-----------|---|
| P102      | Keep out of reach of children.  |
| P210      | Keep away from heat. No Smoking.  |
| P211      | Do not spray on an open flame or other ignition source.                                       |
| P251      | Do not pierce or burn, even after use.  |
| P271      | Use only outdoors or in a well-ventilated area.   |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.                  |
| P501      | Dispose of contents/container to an appropriate recycling or disposal facility.               |

**Additional advice on labelling**

The product is classified and labelled according to EC directives or corresponding national laws.

**2.3. Other hazards**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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#### Hazardous components

| CAS No   | Chemical name  | Quantity     |
|----------|--|--------------|
|          | EC No      Index No      REACH No  |              |
|          | Classification (Regulation (EC) No 1272/2008)  |              |
|          | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane                               | 80 - < 100 % |
|          | 921-024-6      01-2119475514-35  |              |
|          | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411 |              |
| 67-63-0  | propan-2-ol; isopropyl alcohol; isopropanol  | 5 - < 10 %   |
|          | 200-661-7      603-117-00-0  |              |
|          | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336  |              |
| 106-97-8 | butane   | 2.5 - < 5 %  |
|          | 203-448-7      01-2119474691-32  |              |
|          | Flam. Gas 1, Liquefied gas; H220 H280  |              |
| 124-38-9 | Carbon dioxide   | 2.5 - < 5 %  |
|          | 204-696-9  |              |
|          | Compressed gas; H280   |              |
| 74-98-6  | propane  | 1 - < 2.5 %  |
|          | 200-827-9      01-2119486944-21  |              |
|          | Flam. Gas 1, Liquefied gas; H220 H280  |              |

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

#### Specific Conc. Limits, M-factors and ATE

| CAS No   | EC No     | Chemical name   | Quantity     |
|----------|-----------|---|--------------|
|          |           | Specific Conc. Limits, M-factors and ATE  |              |
|          | 921-024-6 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane                                      | 80 - < 100 % |
|          |           | inhalation: LC50 = > 25,2 mg/l (vapours); dermal: LD50 = > 2800 - 3100 mg/kg; oral: LD50 = > 5000 mg/kg |              |
| 67-63-0  | 200-661-7 | propan-2-ol; isopropyl alcohol; isopropanol   | 5 - < 10 %   |
|          |           | inhalation: LC50 = 47,5 mg/l (vapours); dermal: LD50 = 12800 mg/kg; oral: LD50 = 5280 mg/kg             |              |
| 106-97-8 | 203-448-7 | butane  | 2.5 - < 5 %  |
|          |           | inhalation: LC50 = 658 mg/l (vapours)   |              |

#### Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % aliphatic hydrocarbons.

#### Further Information

DMSO-Extrakt < 3 %, IP 346.

Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove affected person from the danger area and lay down. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Self-protection of the first aider. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

##### After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist. In case

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of breathing difficulties administer oxygen.

### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

### After ingestion

Do NOT induce vomiting.

Rinse mouth thoroughly with water. Call a physician immediately.

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

following inhalation: drowsiness. Headache. Nausea.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam.

#### Unsuitable extinguishing media

Water.

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

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Nitrogen oxides (NO<sub>x</sub>). carbon black.

Flammable. Vapours may form explosive mixtures with air.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

### Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

## SECTION 6: Accidental release measures

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

#### General advice

Remove persons to safety. Wear a self-contained breathing apparatus and chemical resistant suit. Vapours are heavier than air and will spread at floor level. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

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

#### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed containers for disposal. Clean contaminated articles and floor according to the environmental legislation.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

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Section 12: Ecological Information (non-mandatory)

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. Take precautionary measures against static discharges. Do not spray on naked flames or any incandescent material. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Avoid contact with skin, eyes and clothes.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Heating causes rise in pressure with risk of bursting.

**Advice on general occupational hygiene**

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace. Avoid contact with skin, eyes and clothes.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep container tightly closed in a cool place. Keep away from sources of ignition - No smoking.

Please note: TRG 300, aerosol directive (75/324/EEC).

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agents. Material, rich in oxygen, oxidizing.

**Further information on storage conditions**

Recommended storage temperature: 5 - 40°C.

Do not store at temperatures over: 50°C.

Protect against: heat. UV-radiation/sunlight. frost.

**7.3. Specific end use(s)**

Further information: see technical data sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

| CAS No   | Substance   | ppm   | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category      | Origin |
|----------|---|-------|-------------------|---------------------|---------------|--------|
| 74-98-6  | Aliphatic hydrocarbon gases, Alkanes (C1-C3), Propane | -     | -                 |                     | Asphyxiant    |        |
| 106-97-8 | Butane, all isomers - n-butane                        | 1000  | -                 |                     | STEL (15 min) |        |
| 124-38-9 | Carbon dioxide  | 5000  | 9000              |                     | TWA (8 h)     |        |
|          |   | 15000 | 27000             |                     | STEL (15 min) |        |
| 67-63-0  | Propan-2-ol   | 200   | -                 |                     | TWA (8 h)     |        |
|          |   | 400   | -                 |                     | STEL (15 min) |        |

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#### Biological limit values

| CAS No  | Substance  | Parameter | Value   | Test material | Sampling time                   |
|---------|------------|-----------|---------|---------------|---------------------------------|
| 67-63-0 | 2-Propanol | Acetone   | 40 mg/L | Urine         | End of shift at end of workweek |

#### DNEL/DMEL values

| CAS No   | Substance                                   | DNEL type | Exposure route | Effect   | Value                  |
|--|---|-----------|----------------|----------|------------------------|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane |   |           |                |          |                        |
| Worker DNEL, long-term   |   |           | inhalation     | systemic | 2035 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   |           | dermal         | systemic | 773 mg/kg bw/day       |
| Consumer DNEL, long-term   |   |           | inhalation     | systemic | 608 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term   |   |           | dermal         | systemic | 699 mg/kg bw/day       |
| Consumer DNEL, long-term   |   |           | oral           | systemic | 699 mg/kg bw/day       |
| 67-63-0  | propan-2-ol; isopropyl alcohol; isopropanol |           |                |          |                        |
| Worker DNEL, long-term   |   |           | inhalation     | systemic | 500 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |   |           | dermal         | systemic | 888 mg/kg bw/day       |
| Consumer DNEL, long-term   |   |           | inhalation     | systemic | 89 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term   |   |           | dermal         | systemic | 319 mg/kg bw/day       |
| Consumer DNEL, long-term   |   |           | oral           | systemic | 26 mg/kg bw/day        |

#### PNEC values

| CAS No  | Substance                                   | Environmental compartment                        | Value      |
|---------|---|--|------------|
| 67-63-0 | propan-2-ol; isopropyl alcohol; isopropanol |  |            |
|         |   | Freshwater                                       | 140,9 mg/l |
|         |   | Freshwater (intermittent releases)               | 140,9 mg/l |
|         |   | Marine water                                     | 140,9 mg/l |
|         |   | Freshwater sediment                              | 552 mg/kg  |
|         |   | Marine sediment                                  | 552 mg/kg  |
|         |   | Secondary poisoning                              | 160 mg/kg  |
|         |   | Micro-organisms in sewage treatment plants (STP) | 2251 mg/l  |
|         |   | Soil   | 28 mg/kg   |

#### Additional advice on limit values

source:

#### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): EN 166

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**Hand protection**

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN ISO 374

Duration of wearing with permanent contact: 480 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

**Skin protection**

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Cosaint riospráide le scagaire i gcoinne gás orgánach agus gaile cineál A - fiuchphointe > 65 ° C: A1: <1000 ppm; A2: <5000 ppm; A3: <10,000 ppm.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                  |                  |
|------------------|------------------|
| Physical state:  | gaseous          |
| Colour:          | dathanna éagsúla |
| Odour:           | characteristic   |
| Odour threshold: | not determined   |

|   | Test method                       |
|---|-----------------------------------|
| Melting point/freezing point:                             | No data available                 |
| Boiling point or initial boiling point and boiling range: | < -20 °C                          |
| Flammability:   | No data available                 |
| Lower explosion limits:                                   | 0,6 vol. %                        |
| Upper explosion limits:                                   | 12 vol. %                         |
| Flash point:  | < -20 °C DIN EN ISO 2592          |
| Auto-ignition temperature:                                | > 200 °C DIN 51794                |
| Decomposition temperature:                                | No data available                 |
| pH-Value:   | No data available                 |
| Viscosity / kinematic:                                    | not applicable                    |
| Water solubility:<br>(at 20 °C)                           | insoluble                         |
| Solubility in other solvents                              | No data available                 |
| Partition coefficient n-octanol/water:                    | No data available                 |
| Vapour pressure:<br>(at 20 °C)                            | No data available                 |
| Density (at 20 °C):                                       | 0,708 g/cm <sup>3</sup> DIN 51757 |
| Relative vapour density:                                  | No data available                 |

**9.2. Other information****Information with regard to physical hazard classes****Explosive properties**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

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Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

No data available

**Other safety characteristics**

Evaporation rate:

No data available

#### SECTION 10: Stability and reactivity

**10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

**10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Ignition hazard.

Vapours may form explosive mixtures with air.

**10.4. Conditions to avoid**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children. Take precautionary measures against static discharges. See protective measures under point 7 and 8.

**10.5. Incompatible materials**

Keep away from: Oxidizing agents.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Nitrogen oxides (NO<sub>x</sub>). carbon black.

Vapours may form explosive mixtures with air.

#### 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.

Mixture not tested.



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| CAS No   | Chemical name  |                          |         |                     |  |
|----------|--|--------------------------|---------|---------------------|--|
|          | Exposure route   | Dose                     | Species | Source              | Method                                   |
|          | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane |                          |         |                     |  |
|          | oral   | LD50 > 5000 mg/kg        | Rat     |                     |  |
|          | dermal   | LD50 > 2800 - 3100 mg/kg | Rat     | Study report (1977) | The acute toxicity of SBP 100/140 was de |
|          | inhalation (4 h) vapour  | LC50 > 25,2 mg/l         | Rat     | Study report (1988) | Group of rats were exposed to test subst |
| 67-63-0  | propan-2-ol; isopropyl alcohol; isopropanol                        |                          |         |                     |  |
|          | oral   | LD50 5280 mg/kg          | Rat     |                     |  |
|          | dermal   | LD50 12800 mg/kg         | Rabbit  |                     |  |
|          | inhalation (4 h) vapour  | LC50 47,5 mg/l           | Rat     |                     |  |
| 106-97-8 | butane   |                          |         |                     |  |
|          | inhalation (4 h) vapour  | LC50 658 mg/l            | Rat     |                     |  |

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause drowsiness or dizziness. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt; 5% n-hexane)

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards****Endocrine disrupting properties**

No information available.

**Further information**

If handled with proper care and at intended use, the product does not cause any harmful effects acc. to our experiences and available information.

**SECTION 12: Ecological information****12.1. Toxicity**

Toxic to aquatic life with long lasting effects.

Mixture not tested.

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| CAS No   | Chemical name  |               |           |         |  |  |
|----------|--|---------------|-----------|---------|--|--|
|          | Aquatic toxicity   | Dose          | [h]   [d] | Species | Source                                 | Method   |
|          | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane |               |           |         |  |  |
|          | Acute fish toxicity  | LC50<br>mg/l  | 11,40     | 96 h    | Oncorhynchus mykiss<br>(Rainbow trout) |  |
|          | Acute algae toxicity   | ErC50<br>mg/l | 10 - 30   | 72 h    | Pseudokirchneriella<br>subcapitata     | Study report<br>(1995)<br>OECD Guideline<br>201  |
|          | Acute crustacea toxicity   | EC50          | 3 mg/l    | 48 h    | Daphnia magna                          |  |
|          | Fish toxicity  | NOEC<br>mg/l  | 2,045     | 28 d    | Oncorhynchus mykiss                    | CONCAWE,<br>Brussels, Belgium<br>(2010)<br>The aquatic<br>toxicity was<br>estimated by a         |
|          | Crustacea toxicity   | NOEC          | 1 mg/l    | 21 d    | Daphnia magna                          | SIDS Initial<br>Assessment<br>Report For SIAM<br>OECD Guideline<br>211                           |
| 67-63-0  | propan-2-ol; isopropyl alcohol; isopropanol                        |               |           |         |  |  |
|          | Acute fish toxicity  | LC50<br>mg/l  | 10000     | 96 h    | Pimephales promelas                    | Publication (1983)<br>OECD Guideline<br>203  |
|          | Acute algae toxicity   | ErC50<br>mg/l | 1000      | 72 h    | Pseudokirchneriella<br>subcapitata     |  |
|          | Crustacea toxicity   | NOEC<br>mg/l  | 13299     | 2 d     | Daphnia magna                          |  |
| 106-97-8 | butane   |               |           |         |  |  |
|          | Acute fish toxicity  | LC50<br>mg/l  | 49,9      | 96 h    | Fish, no other<br>information          | United States<br>Environmental<br>Protection A<br>The Ecosar class<br>program has been<br>develo |
|          | Acute algae toxicity   | ErC50<br>mg/l | 19,37     | 96 h    | Algae                                  | USEPA OPPT<br>Risk Assessment<br>Division (200)<br>Calculation using<br>ECOSAR<br>Program v1.00. |
|          | Acute crustacea toxicity   | EC50<br>mg/l  | 69,43     | 48 h    | Daphnia sp.                            | USEPA OPPT<br>Risk Assessment<br>Division (200)<br>Calculation using<br>ECOSAR<br>Program v1.00. |
| 124-38-9 | Carbon dioxide   |               |           |         |  |  |
|          | Acute fish toxicity  | LC50          | 35 mg/l   | 96 h    | Oncorhynchus mykiss<br>(Rainbow trout) |  |
| 74-98-6  | propane  |               |           |         |  |  |
|          | Acute fish toxicity  | LC50<br>mg/l  | 49,9      | 96 h    | Fish, no other<br>information          | United States<br>Environmental<br>Protection A<br>The Ecosar class<br>program has been<br>develo |
|          | Acute algae toxicity   | ErC50<br>mg/l | 19,37     | 96 h    | Algae                                  | USEPA OPPT<br>Risk Assessment<br>Division (200)<br>Calculation using<br>ECOSAR<br>Program v1.00. |
|          | Acute crustacea toxicity   | EC50<br>mg/l  | 69,43     | 48 h    | Daphnia sp.                            | USEPA OPPT<br>Risk Assessment<br>Division (200)<br>Calculation using<br>ECOSAR<br>Program v1.00. |

#### 12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria). Do not allow to enter into surface water or drains.

#### 12.3. Bioaccumulative potential

No data available

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**Partition coefficient n-octanol/water**

| CAS No   | Chemical name                               | Log Pow |
|----------|---|---------|
| 67-63-0  | propan-2-ol; isopropyl alcohol; isopropanol | 0,05    |
| 106-97-8 | butane                                      | 1,09    |
| 74-98-6  | propane                                     | 1,09    |

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not open container by force. Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

**List of Wastes Code - residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**Contaminated packaging**

Dispose of waste according to applicable legislation.

**SECTION 14: Transport information****Land transport (ADR/RID)**

|  |          |
|--|----------|
| <b>14.1. UN number or ID number:</b>     | UN 1950  |
| <b>14.2. UN proper shipping name:</b>    | AEROSOLS |
| <b>14.3. Transport hazard class(es):</b> | 2        |
| <b>14.4. Packing group:</b>              | -        |
| Hazard label:                            | 2.1      |



|                          |                 |
|--------------------------|-----------------|
| Classification code:     | 5F              |
| Special Provisions:      | 190 327 344 625 |
| Limited quantity:        | 1 L             |
| Excepted quantity:       | E0              |
| Transport category:      | 2               |
| Tunnel restriction code: | D               |

**Inland waterways transport (ADN)**

|  |          |
|--|----------|
| <b>14.1. UN number or ID number:</b>     | UN 1950  |
| <b>14.2. UN proper shipping name:</b>    | AEROSOLS |
| <b>14.3. Transport hazard class(es):</b> | 2        |
| <b>14.4. Packing group:</b>              | -        |
| Hazard label:                            | 2.1      |

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Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 959  
 Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: A145 A167 A802  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y203  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane

**14.6. Special precautions for user**

Warning: flammable gases.

**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**

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#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 29, Entry 40, Entry 75

2010/75/EU (VOC): 97 % (698,4 g/l)

2004/42/EC (VOC): 97 % (698,4 g/l)

Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 1,4,6,7,9,11,12,16.

#### Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ASTM - American Society for the Testing of Materials; ATE - Acute Toxicity Estimates; bw - Body weight; CAO - Cargo Aircraft Only; CAS - Chemical Abstracts Service; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DNEL - Derived No-Effect Level; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); EG - European Union; EN - European standards; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; OECD - Organization for Economic Co-operation and Development; PBT - Persistent, Bioaccumulative and Toxic substance; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulation concerning the International Carriage of Dangerous Goods by Rail; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification          | Classification procedure      |
|-------------------------|-------------------------------|
| Aerosol 1; H222-H229    |                               |
| Skin Irrit. 2; H315     | Bridging principle "Aerosols" |
| Eye Irrit. 2; H319      |                               |
| STOT SE 3; H336         | Bridging principle "Aerosols" |
| Aquatic Chronic 2; H411 | Calculation method            |

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**Relevant H and EUH statements (number and full text)**

|      |   |
|------|---|
| 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.    |

**Further Information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*