

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**CERAMIZER Detox Fuel System Pro D1746**

Revision: 12.06.2025

Product code: 100930

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

CERAMIZER Detox Fuel System Pro D1746

UFI: Y9H0-H96A-900R-UCVD

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

Other vehicle (all types) cleaning and care products  
cleaning agent for fuel systems  
cleaning agent for gasoline engines

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

Company name: Ceramizer D. Kosiorek Spółka Komandytowa  
Street: Bartycka 116  
Place: PL-00-716 Warsaw  
Telephone: +48 22 498 09 08  
E-mail: info@ceramizer.pl  
Contact person: Customer Service  
E-mail (Contact person): info@ceramizer.pl  
Internet: www.ceramizer.com  
Responsible Department: Customer Service

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

Flam. Liq. 2; H225  
Acute Tox. 4; H332  
Skin Irrit. 2; H315  
Eye Dam. 1; H318  
STOT SE 3; H335 H336  
STOT RE 2; H373  
Asp. Tox. 1; H304  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

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

xylene  
propan-2-ol; isopropyl alcohol; isopropanol  
Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes, < 2% Aromates  
Alcohols, C12-13- branched and linear, ethoxylated

**Signal word:** Danger**Pictograms:****Hazard statements**

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

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### Hazard statements

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| H332   | Harmful if inhaled.                                                |
| H335   | May cause respiratory irritation.                                  |
| H336   | May cause drowsiness or dizziness.                                 |
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| H412   | Harmful to aquatic life with long lasting effects.                 |
| EUH066 | Repeated exposure may cause skin dryness or cracking.              |

### Precautionary statements

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P101           | If medical advice is needed, have product container or label at hand.                                                            |
| P102           | Keep out of reach of children.                                                                                                   |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                                   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.                                    |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER/doctor.                                                                           |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P331           | Do NOT induce vomiting.                                                                                                          |
| P405           | Store locked up.                                                                                                                 |
| P501           | Dispose of this material and its container to hazardous or special waste collection point.                                       |

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

| CAS No     | Chemical name                                                                                                                                     |              |                  | Quantity    |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|
|            | EC No                                                                                                                                             | Index No     | REACH No         |             |
|            | Classification (Regulation (EC) No 1272/2008)                                                                                                     |              |                  |             |
| 1330-20-7  | xylene                                                                                                                                            |              |                  | 20 - < 40 % |
|            | 215-535-7                                                                                                                                         | 601-022-00-9 | 01-2119488216-32 |             |
|            | Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H332 H312 H315 H319 H335 H373 H304 |              |                  |             |
| 67-63-0    | propan-2-ol; isopropyl alcohol; isopropanol                                                                                                       |              |                  | 10 - < 20 % |
|            | 200-661-7                                                                                                                                         | 603-117-00-0 | 01-2119457558-25 |             |
|            | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336                                                                                             |              |                  |             |
| 67-64-1    | acetone; propan-2-one; propanone                                                                                                                  |              |                  | 10 - < 20 % |
|            | 200-662-2                                                                                                                                         | 606-001-00-8 |                  |             |
|            | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066                                                                                      |              |                  |             |
| 64742-48-9 | Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes, < 2% Aromates                                                                              |              |                  | 1 - < 10 %  |
|            | 919-857-5                                                                                                                                         |              | 01-2119463258-33 |             |
|            | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066                                                                                       |              |                  |             |
| 64742-48-9 | Hydrocarbons, C9-C11, Isoalkanes, Cycloalkanes, < 2% Aromates                                                                                     |              |                  | 1 - < 10 %  |
|            | 920-134-1                                                                                                                                         |              | 01-2119480153-44 |             |
|            | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411 EUH066                                                               |              |                  |             |
| 100-41-4   | ethylbenzene                                                                                                                                      |              |                  | 1 - < 10 %  |
|            | 202-849-4                                                                                                                                         | 601-023-00-4 |                  |             |
|            | Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304                                                                           |              |                  |             |



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| CAS No      | Chemical name                                                  |          |          | Quantity   |
|-------------|----------------------------------------------------------------|----------|----------|------------|
|             | EC No                                                          | Index No | REACH No |            |
|             | Classification (Regulation (EC) No 1272/2008)                  |          |          |            |
| 160901-19-9 | Alcohols, C12-13- branched and linear, ethoxylated             |          |          | 1 - < 10 % |
|             | 931-954-4                                                      |          |          |            |
|             | Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 3; H302 H318 H412    |          |          |            |
|             | Polyetheramine                                                 |          |          | 1 - < 10 % |
|             | Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2; H315 H319 H411 |          |          |            |

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                                                                   |             |
| 1330-20-7   | 215-535-7 | xylene                                                                                                     | 20 - < 40 % |
|             |           | inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg |             |
| 67-63-0     | 200-661-7 | propan-2-ol; isopropyl alcohol; isopropanol                                                                | 10 - < 20 % |
|             |           | inhalation: LC50 = >10000 mg/l (vapours); dermal: LD50 = 12857 mg/kg; oral: LD50 = 5840 mg/kg              |             |
| 67-64-1     | 200-662-2 | acetone; propan-2-one; propanone                                                                           | 10 - < 20 % |
|             |           | inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = 20000 mg/kg; oral: LD50 = 5800 mg/kg                  |             |
| 64742-48-9  | 919-857-5 | Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes, < 2% Aromates                                       | 1 - < 10 %  |
|             |           | inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg          |             |
| 64742-48-9  | 920-134-1 | Hydrocarbons, C9-C11, Isoalkanes, Cycloalkanes, < 2% Aromates                                              | 1 - < 10 %  |
|             |           | inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg          |             |
| 100-41-4    | 202-849-4 | ethylbenzene                                                                                               | 1 - < 10 %  |
|             |           | inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)                           |             |
| 160901-19-9 | 931-954-4 | Alcohols, C12-13- branched and linear, ethoxylated                                                         | 1 - < 10 %  |
|             |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >300-2000 mg/kg                                                   |             |
|             |           | Polyetheramine                                                                                             | 1 - < 10 %  |
|             |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg                                                       |             |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Observe risk of aspiration if vomiting occurs.

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

No information available.

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**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>), Foam, Extinguishing powder. Sand**Unsuitable extinguishing media**

Water.

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

Highly flammable. Vapours can form explosive mixtures with air.

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Explosion risk.

**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). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

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

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep

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away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Hints on joint storage

Do not store together with:  
Pyrophoric or self-heating substances. Oxidising agent

### 7.3. Specific end use(s)

cleaning agent for gasoline engines

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

| CAS No    | Name of agent               | ppm | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category      | Origin |
|-----------|-----------------------------|-----|-------------------|---------------------|---------------|--------|
| 67-64-1   | Acetone                     | 500 | 1210              |                     | TWA (8 h)     |        |
| 100-41-4  | Ethylbenzene                | 100 | 442               |                     | TWA (8 h)     |        |
|           |                             | 200 | 884               |                     | STEL (15 min) |        |
| 1330-20-7 | Xylene, mixed isomers, pure | 50  | 221               |                     | TWA (8 h)     |        |
|           |                             | 100 | 442               |                     | STEL (15 min) |        |

### 8.2. Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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

##### Eye/face protection

Suitable eye protection: goggles.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing . . .

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

|                 |                |
|-----------------|----------------|
| Physical state: | Liquid         |
| Colour:         | red            |
| Odour:          | characteristic |

#### Test method

|                                                           |                |
|-----------------------------------------------------------|----------------|
| Melting point/freezing point:                             | not determined |
| Boiling point or initial boiling point and boiling range: | 56 °C          |
| Flammability:                                             | not determined |
| Lower explosion limits:                                   | 0,6 vol. %     |
| Upper explosion limits:                                   | 14,3 vol. %    |

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|                                   |                                                                                                  |                    |
|-----------------------------------|--------------------------------------------------------------------------------------------------|--------------------|
| Flash point:                      | -9 °C                                                                                            | ISO 3679           |
| Auto-ignition temperature:        | not determined                                                                                   |                    |
| Decomposition temperature:        | not applicable                                                                                   |                    |
| pH-Value:                         | not applicable                                                                                   |                    |
| Viscosity / kinematic (at 40 °C): | 0,73 mm <sup>2</sup> /s                                                                          | DIN EN ISO 3104    |
| Water solubility:                 | The study does not need to be conducted because the substance is known to be insoluble in water. |                    |
| Solubility in other solvents      | not determined                                                                                   |                    |
| Vapour pressure (at 50 °C):       | 440 hPa                                                                                          | DIN EN ISO 13016-1 |
| Density (at 20 °C):               | 0,82 g/cm <sup>3</sup>                                                                           | DIN 12185          |
| Relative density:                 | not determined                                                                                   |                    |

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive.

##### Sustained combustibility:

Sustained combustibility

##### Self-ignition temperature

Solid:

not applicable

Gas:

not determined

##### Oxidizing properties

Not oxidising.

#### Other safety characteristics

##### Sublimation point:

not applicable

##### Softening point:

not applicable

##### Pour point:

not determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

### 10.5. Incompatible materials

Oxidising agent, strong; Acid, concentrated; Alkali (lye), concentrated

### 10.6. Hazardous decomposition products

Carbon monoxide Carbon dioxide

## SECTION 11: Toxicological information

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

#### Acute toxicity

Harmful if inhaled.

#### ATEmix calculated

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ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) 4,469 mg/l

| CAS No      | Chemical name                                                        |                      |         |          |        |
|-------------|----------------------------------------------------------------------|----------------------|---------|----------|--------|
|             | Exposure route                                                       | Dose                 | Species | Source   | Method |
| 1330-20-7   | xylene                                                               |                      |         |          |        |
|             | dermal                                                               | ATE 1100 mg/kg       |         |          |        |
|             | inhalation vapour                                                    | ATE 11 mg/l          |         |          |        |
|             | inhalation dust/mist                                                 | ATE 1,5 mg/l         |         |          |        |
| 67-63-0     | propan-2-ol; isopropyl alcohol; isopropanol                          |                      |         |          |        |
|             | oral                                                                 | LD50 5840 mg/kg      | Rat     | OECD 423 |        |
|             | dermal                                                               | LD50 12857 mg/kg     | Rabbit  | OECD 402 |        |
|             | inhalation vapour                                                    | LC50 >10000 mg/l     | Rat     | OECD 403 |        |
| 67-64-1     | acetone; propan-2-one; propanone                                     |                      |         |          |        |
|             | oral                                                                 | LD50 5800 mg/kg      | Rat     | RTECS    |        |
|             | dermal                                                               | LD50 20000 mg/kg     | Rabbit  | IUCLID   |        |
|             | inhalation (4 h) vapour                                              | LC50 76 mg/l         | Rat     |          |        |
| 64742-48-9  | Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes, < 2% Aromates |                      |         |          |        |
|             | oral                                                                 | LD50 >5000 mg/kg     | Rat     |          |        |
|             | dermal                                                               | LD50 >5000 mg/kg     | Rabbit  |          |        |
|             | inhalation (4 h) dust/mist                                           | LC50 >5 mg/l         | Rat     |          |        |
| 64742-48-9  | Hydrocarbons, C9-C11, Isoalkanes, Cycloalkanes, < 2% Aromates        |                      |         |          |        |
|             | oral                                                                 | LD50 >5000 mg/kg     | Rat     | OECD 401 |        |
|             | dermal                                                               | LD50 >5000 mg/kg     | Rat     | OECD 403 |        |
|             | inhalation (4 h) dust/mist                                           | LC50 >5 mg/l         | Rat     |          |        |
| 100-41-4    | ethylbenzene                                                         |                      |         |          |        |
|             | inhalation vapour                                                    | ATE 11 mg/l          |         |          |        |
|             | inhalation dust/mist                                                 | ATE 1,5 mg/l         |         |          |        |
| 160901-19-9 | Alcohols, C12-13- branched and linear, ethoxylated                   |                      |         |          |        |
|             | oral                                                                 | LD50 >300-2000 mg/kg | Rat     |          |        |
|             | dermal                                                               | LD50 >2000 mg/kg     | Rabbit  |          |        |
|             | Polyetheramine                                                       |                      |         |          |        |
|             | oral                                                                 | LD50 >5000 mg/kg     | Rat     |          |        |
|             | dermal                                                               | LD50 >2000 mg/kg     | Rabbit  |          |        |

### Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye damage.

Repeated exposure may cause skin dryness or cracking.

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### Sensitising effects

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

### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

### STOT-single exposure

May cause respiratory irritation. (xylene)

May cause drowsiness or dizziness.

### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (xylene)

### Aspiration hazard

May be fatal if swallowed and enters airways.

### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

| CAS No     | Chemical name                                                        |                      |        |                                     |          |        |
|------------|----------------------------------------------------------------------|----------------------|--------|-------------------------------------|----------|--------|
|            | Aquatic toxicity                                                     | Dose                 | [h][d] | Species                             | Source   | Method |
| 67-63-0    | propan-2-ol; isopropyl alcohol; isopropanol                          |                      |        |                                     |          |        |
|            | Acute fish toxicity                                                  | LC50 >100 mg/l       | 96 h   | Leuciscus idus (golden orfe)        |          |        |
|            | Acute algae toxicity                                                 | ErC50 >100 mg/l      | 72 h   | Scenedesmus subspicatus             |          |        |
|            | Acute crustacea toxicity                                             | EC50 >100 mg/l       | 48 h   | Daphnia magna (Big water flea)      |          |        |
| 67-64-1    | acetone; propan-2-one; propanone                                     |                      |        |                                     |          |        |
|            | Acute fish toxicity                                                  | LC50 5540 mg/l       | 96 h   | Onchorhynchus mykiss                |          |        |
|            | Acute crustacea toxicity                                             | EC50 6100 mg/l       | 48 h   | Daphnia magna                       |          |        |
| 64742-48-9 | Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes, < 2% Aromates |                      |        |                                     |          |        |
|            | Acute fish toxicity                                                  | LC50 >1000 mg/l      | 96 h   | Oncorhynchus mykiss (Rainbow trout) |          |        |
|            | Acute algae toxicity                                                 | ErC50 >1000 mg/l     |        | Pseudokirchneriella subcapitata     |          |        |
|            | Acute crustacea toxicity                                             | EC50 >1000 mg/l      | 48 h   | Daphnia magna (Big water flea)      |          |        |
| 64742-48-9 | Hydrocarbons, C9-C11, Isoalkanes, Cycloalkanes, < 2% Aromates        |                      |        |                                     |          |        |
|            | Acute fish toxicity                                                  | LC50 3,6 mg/l        | 96 h   | Oncorhynchus mykiss (Rainbow trout) | OECD 203 |        |
|            | Acute algae toxicity                                                 | ErC50 1000 mg/l      | 72 h   | Pseudokirchneriella subcapitata     | OECD 201 |        |
|            | Acute crustacea toxicity                                             | EC50 >22 - < 46 mg/l | 48 h   | Daphnia magna (Big water flea)      | OECD 202 |        |

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| CAS No      | Chemical name                                      |                 |        |                                |          |        |
|-------------|----------------------------------------------------|-----------------|--------|--------------------------------|----------|--------|
|             | Aquatic toxicity                                   | Dose            | [h][d] | Species                        | Source   | Method |
| 160901-19-9 | Alcohols, C12-13- branched and linear, ethoxylated |                 |        |                                |          |        |
|             | Acute fish toxicity                                | LC50 >1-10 mg/l | 96 h   | Poecilia reticulata (Guppy)    | OECD 203 |        |
|             | Acute crustacea toxicity                           | EC50 >1-10 mg/l | 48 h   | Daphnia magna (Big water flea) | OECD 202 |        |

**12.2. Persistence and degradability**

The product has not been tested.

| CAS No     | Chemical name                                                        |       |    |             |
|------------|----------------------------------------------------------------------|-------|----|-------------|
|            | Method                                                               | Value | d  | Source      |
|            | Evaluation                                                           |       |    |             |
| 67-63-0    | propan-2-ol; isopropyl alcohol; isopropanol                          |       |    |             |
|            | OECD 301E/ EEC 92/69/V, C.4-B                                        | 95%   | 21 | Isopropanol |
|            | Readily biodegradable (according to OECD criteria).                  |       |    |             |
|            | OECD 303/ EEC 92/69/V, C10                                           | 99:%  |    |             |
|            | Readily biodegradable (according to OECD criteria).                  |       |    |             |
| 64742-48-9 | Hydrocarbons, C9-C11, n-Alkanes, Isoalkanes, Cyclenes, < 2% Aromates |       |    |             |
|            |                                                                      | 80%   | 28 |             |
|            | Readily biodegradable (according to OECD criteria).                  |       |    |             |

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

| CAS No  | Chemical name                    | Log Pow |
|---------|----------------------------------|---------|
| 67-64-1 | acetone; propan-2-one; propanone | -0,24   |

**12.4. Mobility in soil**

The product has not been tested.

**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.

The product has not been tested.

**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 information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

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

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

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**List of Wastes Code - used product**

070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors; hazardous waste

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

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

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Acetone, Isopropanol; Xylene)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640D  
Limited quantity: 1 L  
Excepted quantity: E2  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: D/E

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Acetone, Isopropanol; Xylene)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640D  
Limited quantity: 1 L  
Excepted quantity: E2

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Acetone; Isopropanol; Xylene)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: 274  
Limited quantity: 1 L

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Excepted quantity: E2  
EmS: F-E, S-E

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

**14.1. UN number or ID number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Acetone; Isopropanol; Xylene)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Special Provisions: A3  
Limited quantity Passenger: 1 L  
Passenger LQ: Y341  
Excepted quantity: E2  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Warning: Combustible liquid.

#### 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 regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 29, Entry 40, Entry 75

Information according to Directive 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

Marketing and use of explosives precursors (Regulation (EU) 2019/1148):

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

##### 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): 2 - obviously 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): 1,2,3,15.

#### Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids, hazard category 2  
Flam. Liq. 3: Flammable liquids, hazard category 3

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Acute Tox. 4: Acute toxicity, hazard category 4  
 Asp. Tox. 1: Aspiration hazard, hazard category 1  
 Skin Irrit. 2: Skin irritation, hazard category 2  
 Eye Dam. 1: Serious eye damage, hazard category 1  
 Eye Irrit. 2: Eye irritation, hazard category 2  
 STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3  
 STOT RE 2: Specific target organ toxicity - repeated exposure, hazard category 2  
 Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized 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  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%  
 CLP: Classification, labelling and Packaging  
 REACH: Registration, Evaluation and Authorization of Chemicals  
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
 UN: United Nations  
 DNEL: Derived No Effect Level  
 DMEL: Derived Minimal Effect Level  
 PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 PBT: persistent, bioaccumulative, toxic  
 vPvB: very persistent, very bioaccumulative  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
 intérieures)  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 ICAO: International Civil Aviation Organization  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 VOC: Volatile Organic Compounds  
 SVHC: Substance of Very High Concern  
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

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

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Flam. Liq. 2; H225      | On basis of test data    |
| Acute Tox. 4; H332      | Calculation method       |
| Skin Irrit. 2; H315     | Calculation method       |
| Eye Dam. 1; H318        | Calculation method       |
| STOT SE 3; H335         | Calculation method       |
| STOT SE 3; H336         | Calculation method       |
| STOT RE 2; H373         | Calculation method       |
| Asp. Tox. 1; H304       | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

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

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| H225   | Highly flammable liquid and vapour.                                |
| H226   | Flammable liquid and vapour.                                       |
| H302   | Harmful if swallowed.                                              |
| H304   | May be fatal if swallowed and enters airways.                      |
| H312   | Harmful in contact with skin.                                      |
| H315   | Causes skin irritation.                                            |
| H318   | Causes serious eye damage.                                         |
| H319   | Causes serious eye irritation.                                     |
| H332   | Harmful if inhaled.                                                |
| H335   | May cause respiratory irritation.                                  |
| H336   | May cause drowsiness or dizziness.                                 |
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| H411   | Toxic to aquatic life with long lasting effects.                   |
| H412   | Harmful to aquatic life with long lasting effects.                 |
| EUH066 | Repeated exposure may cause skin dryness or cracking.              |

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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