

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 7 Jul 2025

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## PUR Foam Cleaner 500ml

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

#### 1.1. Product identifier

Trade name/designation:

PUR Foam Cleaner 500ml

Article No.:

T670701

UFI:

J7CT-ECN2-EPKF-GTMN

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

Use of the substance/mixture:

Cleaner

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

Supplier:

KANDO Service GmbH

Hartleitnerstraße 3

4653 Eberstälzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

#### 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
aerosol dispensers and lighters (Aerosol 1)	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	
STOT-single exposure (STOT SE 3)	H336: May cause drowsiness or dizziness.	

#### 2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark



GHS02

Flame

Signal word: Danger

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### Hazard components for labelling:

acetone

#### Hazard statements for physical hazards

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

#### Hazard statements for health hazards

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

#### Supplemental hazard information

EUH066	Repeated exposure may cause skin dryness or cracking.
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#### Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/.

#### Precautionary statements Response

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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#### Precautionary statements Storage

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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#### Precautionary statements Disposal

P501	Dispose of the contents / container in accordance with local / regional / national / international regulations.
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### 2.3. Other hazards

#### Other adverse effects:

The product does not meet the PBT/vPvB criteria.

The product does not meet the criteria regarding its endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Description:

Solvent

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### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 67-64-1 EC No.: 200-662-2 Index No.: 606-001-00-8 REACH No.: 01-2119471330-49	<b>acetone</b> Eye Irrit. 2 (H319), Flam. Liq. 2 (H225), STOT SE 3 (H336) Danger EUH066 <b>Acute Toxicity Estimate</b> ATE (oral) 5,800 mg/kg ATE (dermal) 20,000 mg/kg ATE (inhalation, gases) 76 ppmV ATE (inhalation, vapour) 5,540 mg/L ATE (inhalation, dust/mist) 76 mg/L <b>Additional information:</b> Substance that poses a risk to health or the environment and meets the criteria set out in Regulation (EU) No. 2020/878.	50 - < 100 Vol-%
CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5 REACH No.: 01-2119486944-21	<b>propane</b> Flam. Gas 1A (H220), Press. Gas (Comp.) (H280) Danger <b>Acute Toxicity Estimate</b> ATE (oral) 5,840 mg/kg ATE (dermal) 13,900 mg/kg ATE (inhalation, gases) > 25 ppmV ATE (inhalation, vapour) ≥ 50 mg/L <b>Additional information:</b> Voluntarily listed substance that does not meet any of the criteria of Regulation (EU) No 2020/878.	10 - < 20 Vol-%
CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0 REACH No.: 01-2119474691-32	<b>butane</b> Flam. Gas 1A (H220), Press. Gas (Comp.) (H280) Danger <b>Acute Toxicity Estimate</b> ATE (oral) > 2,000 mg/kg ATE (dermal) > 2,000 mg/kg ATE (inhalation, gases) 658 ppmV ATE (inhalation, vapour) > 800,000 mg/L <b>Additional information:</b> Voluntarily listed substance that does not meet any of the criteria of Regulation (EU) No 2020/878.	2.5 - < 10 Vol-%

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

Symptoms of poisoning may occur after contact, so if in doubt, consult a doctor in case of direct contact with the chemical product or persistence of indisposition, and present the safety data sheet of this product to the doctor.

#### Following inhalation:

Remove the victim from the exposure site, provide him/her with clean air and keep him/her in a resting position. In severe cases such as cardio-respiratory arrest, apply artificial respiration techniques (mouth-to-mouth resuscitation, cardiac massage, oxygen supply, etc.). Medical advice should be sought immediately.

#### In case of skin contact:

Remove contaminated clothing and shoes, rinse the skin or, if necessary, shower the affected person with plenty of cold water and neutral soap. In severe cases, consult a doctor. If the mixture causes burns or frostbite, do not remove the clothing, as the injury caused may be aggravated if it sticks to the skin. If blisters form on the skin, do not puncture them as this increases the risk of infection.

#### After eye contact:

Flush eyes with plenty of water for at least 15 minutes. If the affected person wears contact lenses, remove them as far as they do not stick to the eyes, otherwise additional injuries may occur. In all cases, a doctor must be consulted as soon as possible after washing and the safety data sheet presented to him.

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### Following ingestion:

In case of ingestion, seek medical attention immediately and provide the doctor with the safety data sheet of this product. present to the doctor.

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

The immediate and delayed effects are given in sections 2 and 11.

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

not relevant

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Foam-Fire extinguishers (AB), ABC-powder-Fire extinguishers, Carbon dioxide-Fire extinguishers (BC)

#### Unsuitable extinguishing media:

Water jet

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

As a result of combustion or thermal decomposition, reactive sub-products are formed that can be highly toxic and therefore pose a high and can therefore pose a high health risk.

### 5.3. Advice for firefighters

Depending on the size of the fire, it may be necessary to use full protective clothing and autonomous breathing apparatus may be required. There should be a minimum stock of emergency facilities or equipment (fireproof blankets, portable first aid kit, ...) in accordance with Directive 89/654/EC. first-aid kit, ...) should be available in accordance with Directive 89/654/EC.

### 5.4. Additional information

Proceed in accordance with the internal emergency plan and the information sheets on what to do in the event of accidents and other emergencies. proceed. Keep away all sources of ignition. In case of fire, cool the storage containers and tanks of products that may catch fire or explode or explode or are at risk of BLEVE due to elevated temperatures. The leakage of products used in Avoid leakage of products used in firefighting into groundwater.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Isolate leaks as far as this does not pose an additional risk to the persons involved. Evacuate area and keep away persons without protective equipment. In view of possible contact with the spilled product, the use of personal protective equipment is mandatory (see section 8). Above all, prevent the formation of flammable vapour-air mixtures, either by ventilation or by using a neutralising agent. Keep away all sources of ignition. Prevent electrostatic charges by connecting all conductor surfaces on which static electricity can build up, again keeping them earthed as a whole.

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Wear protective equipment. Keep unprotected persons away. See section 8.

### 6.2. Environmental precautions

The product is not classified as dangerous for the environment. Do not allow to enter drains/surface water/ground water.

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

#### Other information:

Soak up spilled product using sand or neutral absorbent material and take to a safe place. Do not absorb with Do not absorb with sawdust or other flammable absorbents. Disposal: see section 13.

### 6.4. Reference to other sections

For further information on personal protective equipment: see section 8.

For further information on disposal: see section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Comply with the legislation in force on the prevention of industrial risks. Keep containers hermetically closed. Keep spilled substances and residues under control and dispose of by safe methods (section 6). Avoid leakage from the container. Places where hazardous products are handled must be kept tidy and clean.

##### Fire prevent measures:

Avoid evaporation of the product as it contains flammable substances and flammable vapour/air mixtures may form in the presence of ignition sources. Control ignition sources (mobile phones, sparks, ...) and decant slowly to avoid the generation of electrostatic charges. For information on conditions and materials to avoid, see section 10.

##### Environmental precautions:

It is recommended to have absorbent material in the immediate vicinity of the product (see section 6.3).

##### Advices on general occupational hygiene

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

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

##### Technical measures and storage conditions:

maximum storage temperature: 30 °C

##### Requirements for storage rooms and vessels:

Avoid sources of heat, radiation, static electricity and contact with food. Further information (see section 10.5).

**Storage class (TRGS 510, Germany):** 2B – Aerosol dispensers and lighters

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

##### Recommendation:

With the exception of the instructions already listed, no special recommendations are required regarding the use of this product.

### SECTION 8: Exposure controls/personal protection

#### \* 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	② 2,000 ppm (4,800 mg/m <sup>3</sup> ) ⑤ (max. 4x15 min./Schicht)
IOELV (EU)	<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	① 500 ppm (1,210 mg/m <sup>3</sup> )
MAK (AT)	<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	① 500 ppm (1,200 mg/m <sup>3</sup> )
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	② 2,000 ppm (3,600 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./Schicht, Momentanwert)
MAK (AT)	<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9	① 1,000 ppm (1,800 mg/m <sup>3</sup> )

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Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7	① 800 ppm (1,900 mg/m <sup>3</sup> )
MAK (AT)	<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7	② 1,600 ppm (3,800 mg/m <sup>3</sup> ) ⑤ (max. 3x60 min./Schicht, Momentanwert)

### 8.1.2. Biological limit values

No data available

### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	1,210 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	200 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	2,420 mg/m <sup>3</sup>	① DNEL worker ② Acute - inhalation, local effects
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	186 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	62 mg/kg bw/ day	① DNEL Consumer ② Long-term - dermal, systemic effects
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	62 mg/kg bw/ day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	10.6 mg/L	① PNEC aquatic, freshwater
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	1.06 mg/L	① PNEC aquatic, marine water
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	100 mg/L	① PNEC sewage treatment plant
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	30.4 mg/kg	① PNEC sediment, freshwater
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	3.04 mg/kg	① PNEC sediment, marine water
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	29.5 mg/kg	① PNEC soil
<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2	21 mg/L	① PNEC aquatic, intermittent release

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available

#### 8.2.2. Personal protection equipment



##### Eye/face protection:

Panorama safety goggles against splashes and / or ejection, EN 166:2002, EN ISO 4007; Clean daily and disinfect at regular intervals according to the manufacturer's instructions. Use when there is a risk of splashing is recommended.

##### Skin protection:

Hand protection:

Disposable gloves for chemical protection (material: latex (natural rubber), conditions of use: Normal), EN ISO 21420; Replace gloves at any sign of damage.

Disposable gloves for chemical protection (material: nitrile, penetration time: > 480 min, thickness: 0.35 mm, conditions of use: Normal), EN ISO 21420; Replace gloves at any sign of damage.

As the product is a mixture of different materials, the resistance of the glove material cannot be calculated in advance and must be verified shortly before use.

Body protection:

Disposable protective clothing against chemical hazards, antistatic and fire retardant, EN 1149-1:2006, EN 1149-2:1997, EN 1149-3:2004,

EN 168:2002, EN ISO 14116:2015, EN 1149-5:2018; Limited protection against flames.

Safety footwear against chemical hazards, with antistatic and heat-resistant properties, EN ISO 20345:2011, EN 13832-1; Replace boots at any sign of damage.

##### Respiratory protection:

The use of protective equipment is required in case of fog formation or in case of exceeding the limits for professional exposure limits are exceeded.

##### Other protection measures:

As a precautionary measure, the use of basic individual protective equipment with the appropriate CE marking is recommended. For further information on individual protective equipment (storage, use, cleaning, maintenance, protection class...), please refer to the information brochure of the respective manufacturer. The indications given in this point refer to the pure product. The protective measures for the diluted product may differ depending on the degree of dilution, use, application method, etc. To determine the obligation to install emergency showers and/or eyewash devices in the warehouses, the respective applicable regulations regarding the storage of chemical products must be taken into account. For more information, see sections 7.1 and 7.2.

Emergency shower ANSI Z358-1, ISO 3864-1:2011, ISO 3864-4:2011

Eye wash, DIN 12 899, ISO 3864-1:2011, ISO 3864-4:2011

#### 8.2.3. Environmental exposure controls

Taking into account Community legislation on environmental protection, it is recommended to avoid leakage of both the product and its packaging into the environment. For further information, see section 7.1.

### 8.3. Additional information

Density of volatile organic compounds: 716 kg/m<sup>3</sup> (716 g/L)

Average carbon number: 3

Average molecular weight: 58,1 g/mol

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Form:** Aerosol

**Colour:** colourless



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**Odour:** not determined

**flammability:** No data available

### Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	<i>not applicable</i>		② insoluble in: Water
Initial boiling point and boiling range	-12 °C		② Propellant gas
Evaporation rate	<i>No data available</i>		
Vapour pressure	< 300,000 Pa	50 °C	② (300 kPa)
Density	716 kg/m <sup>3</sup>	20 °C	
Water solubility	<i>No data available</i>		
Self-ignition temperature	460 °C		② Propellant gas

### 9.2. Other information

Chemical heat of combustion: 30,36 kJ/g

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions are to be expected if the technical instructions for storage of chemicals are observed. See section 7 of the safety data sheet.

### 10.2. Chemical stability

Chemically stable under conditions of storage, handling and use.

### 10.3. Possibility of hazardous reactions

No hazardous reactions expected under normal conditions.

### 10.4. Conditions to avoid

Avoid high temperatures or direct sunlight. Risk of ignition

### 10.5. Incompatible materials

Avoid strong acids, alkalis and bases. Avoid direct exposure to materials that promote combustion.

### 10.6. Hazardous decomposition products

See sections 10.3, 10.4 and 10.5 for specific degradation products. Depending on the degradation conditions, complex mixtures of chemical substances may be released during degradation: Carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

## SECTION 11: Toxicological information

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

<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2
<b>ATE (oral):</b> 5,800 mg/kg
<b>ATE (dermal):</b> 20,000 mg/kg
<b>ATE (inhalation, dust/mist):</b> 76 mg/L
<b>LD<sub>50</sub> oral:</b> 5,800 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> >15,800 mg/kg (Rabbit)
<b>LC<sub>50</sub> Acute inhalation toxicity (gas):</b> 76 ppmV 4 h (Rat)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 5,540 mg/L 4 d (Oncorhynchus mykiss (Rainbow trout))
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> 76 mg/L 4 h (Rat)
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>LD<sub>50</sub> oral:</b> 5,840 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> 13,900 mg/kg (Rabbit)
<b>LC<sub>50</sub> Acute inhalation toxicity (gas):</b> >25 ppmV 4 h (Rat)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> ≥50 mg/L 4 h (Rat)



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<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
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<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg
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<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg
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<b>LC<sub>50</sub> Acute inhalation toxicity (gas):</b> 658 ppmV (Rat)
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<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >800,000 mg/L (Rat)
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### Acute oral toxicity:

Based on available data, the classification criteria are not met. It does not contain substances classified as dangerous if ingested. For further information see section 3.

### Acute dermal toxicity:

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

### Acute inhalation toxicity:

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

### Skin corrosion/irritation:

Based on available data, the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.

### Serious eye damage/irritation:

Causes eye irritation.

### Respiratory or skin sensitisation:

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

### Germ cell mutagenicity:

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

### Carcinogenicity:

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

### Reproductive toxicity:

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

### STOT-single exposure:

Exposure at high concentrations may cause central nervous system depression and headache, dizziness, nausea, vomiting, confusion and in severe cases loss of consciousness.

### 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.

### Additional information:

There are no experimental data available on the product itself with regard to toxicological properties.

## 11.2. Information on other hazards

### Endocrine disrupting properties:

The product does not meet the criteria regarding its endocrine disrupting properties.

## SECTION 12: Ecological information

### \* 12.1. Toxicity

<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2
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<b>LC<sub>50</sub>:</b> 8,300 mg/L 4 d (fish)
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<b>LC<sub>50</sub>:</b> 8,450 mg/L 2 d (crustaceans, water flea)
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<b>LC<sub>50</sub>:</b> 8,300 mg/L 4 d (fish)
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<b>EC<sub>50</sub>:</b> 7,200 mg/L 4 d (Algae/water plant)
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<b>EC<sub>50</sub>:</b> 7,200 mg/L 4 d (Alge)
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<b>EC<sub>50</sub>:</b> 8,800 mg/L (Daphnia magna)
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<b>NOEC:</b> 2,212 mg/L (crustaceans, Daphnia magna)
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<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>LC<sub>50</sub></b> : 9,640 mg/L 4 d (fish, <i>Pimephales promelas</i> )
<b>LC<sub>50</sub></b> : 0.41 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> )
<b>LC<sub>50</sub></b> : 49.9 mg/L 4 d (fish)
<b>EC<sub>50</sub></b> : >100 mg/L (Algae/water plant, Bacteria)
<b>EC<sub>50</sub></b> : 0.17 mg/L 3 d (Algae/water plant, <i>Selenastrum capricornutum</i> )
<b>EC<sub>50</sub></b> : 69.43 mg/L 2 d (crustaceans, <i>Daphnia</i> ) Calculation with the ECOSAR programme v1.00.
<b>NOEC</b> : 0.017 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i> )
<b>ErC<sub>50</sub></b> : 19.37 mg/L 4 d (Algae/water plant, Algae) Calculation with the ECOSAR programme v1.00.
<b>LOEC</b> : 1,000 mg/L (Algae/water plant, Algae)
<b>LOEC</b> : 1,000 mg/L (Algae/water plant, Alge)
<b>IC<sub>50</sub></b> : 11.3 mg/L 3 d (Algae/water plant)
<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>LC<sub>50</sub></b> : 49.9 mg/L 4 d (fish)
<b>LC<sub>50</sub></b> : 24.11 mg/L (fish)
<b>EC<sub>50</sub></b> : 69.43 mg/L 2 d (crustaceans, <i>Daphnia</i> sp.)
<b>EC<sub>50</sub></b> : 7.71 mg/L 4 d (Algae/water plant)
<b>ErC<sub>50</sub></b> : 19.37 mg/L 4 d (Algae/water plant)

### 12.2. Persistence and degradability

<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2
<b>Biodegradation</b> : Yes, rapidly
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>Biodegradation</b> : Yes, rapidly
<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>Biodegradation</b> : Yes, rapidly

### 12.3. Bioaccumulative potential

<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2
<b>Log K<sub>ow</sub></b> : -0.24
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>Log K<sub>ow</sub></b> : 1.09
<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>Log K<sub>ow</sub></b> : 1.09

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

<b>acetone</b> CAS No.: 67-64-1 EC No.: 200-662-2
<b>Results of PBT and vPvB assessment</b> : —
<b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9
<b>Results of PBT and vPvB assessment</b> : —
<b>butane</b> CAS No.: 106-97-8 EC No.: 203-448-7
<b>Results of PBT and vPvB assessment</b> : —

The product does not meet the PBT/vPvB criteria.

### 12.6. Endocrine disrupting properties

The product does not meet the criteria regarding its endocrine disrupting properties.

### 12.7. Other adverse effects

There are no experimental data of the mixture per se regarding ecotoxicological properties.  
water hazard class 1: slightly hazardous to water

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Dispose of by the authorised waste manager in accordance with the recovery and disposal operations set out in Annex 1 and Annex 2 (Directive 2008/98/EC). According to codes 15 01 (2014/955/EC), if the container has been in direct contact with the product, treat it in the same way as the product itself, otherwise as if there were no hazardous residues. Do not allow to enter drains. See section 6.2.

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH), the Community or national provisions regarding waste recovery shall be complied with. Community legislation: Directive 2008/98/EC, 2014/955/EC, Regulation (EU) No 1357/2014. National regulations: Act on the Reorganisation of the Recycling and Waste Management Law. Of 24 February 2012.

#### 13.1.1. Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

###### Waste code product




16 05 04 *	Gases in pressure containers (including halons) containing hazardous substances
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\*: Evidence for disposal must be provided.

##### Directive 2008/98/EC (Waste Framework Directive)

HP 3	Flammable
HP 4	Irritant — skin irritation and eye damage
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

### SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
UN 1950	UN 1950	UN 1950	UN 1950
<b>14.2. UN proper shipping name</b>			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
<b>14.3. Transport hazard class(es)</b>			
 2.1	No data available	 2.1	 2.1
<b>14.4. Packing group</b>			
		-	
<b>14.5. Environmental hazards</b>			
No	No data available	No	No
<b>14.6. Special precautions for user</b>			
<b>Special Provisions:</b> 190, 327, 344, 625 <b>Limited quantity (LQ):</b> 1L <b>Classification code:</b> - <b>Tunnel restriction code:</b> (D)	No data available	<b>Special Provisions:</b> 63, 959, 190, 277, 327, 344 <b>Limited quantity (LQ):</b> 1L <b>EmS-No.:</b> F-D, S-U	No data available

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

not relevant

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

###### Authorisations:

Regulation (EU) No 528/2012 (Biocidal products): not relevant

Substances for which authorisation in Regulation (CE) 1907/2006 (REACH) is pending: Not relevant.

Substances included in REACH Annex XIV (authorisation list) and expiry date: Not relevant. Regulation (EC) 1005/2009 on ozone depleting substances Not relevant. Article 95, REGULATION (EU) No 528/2012: Not relevant. REGULATION (EU) No 649/2012 on the export and import of dangerous chemical substances: Not relevant.

Seveso category P3a FLAMMABLE AEROSOLS

-Quantity threshold (in tons) for use in lower class farms 150

-Quantity threshold (in tons) for use in upper-tier establishments 500

###### Restrictions on use:

Restrictions on the distribution and use of certain substances and hazardous mixtures (Annex XVII REACH, etc...):

Regulation (EU) 2019/1148: Contains Acetone. Product compliance according to Art. 9.

However, products containing explosives precursors in such small quantities and in such complex mixtures that the extraction of said precursors is technically extremely difficult should be excluded from the scope of this Regulation.

Shall not be used:

-in decorative articles intended to produce light or colour effects (by phase change), e.g. in mood lamps and ashtrays;

-in joke games;

-in games for one or more participants or in articles intended to be used as such, including for decoration.

Specific injunctions concerning personal and environmental protection: It is recommended that the information in this safety data sheet be used as input to data collected in a risk assessment of local conditions in order to take the necessary measures to prevent hazards for the management, use, storage and disposal of this product.

##### 15.1.2. National regulations

No data available

#### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

### SECTION 16: Other information

#### \* 16.1. Indication of changes

1.3.	Details of the supplier of the safety data sheet
8.1.	Control parameters
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
16.1.	Indication of changes
16.2.	Abbreviations and acronyms

#### \* 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
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
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
EN	European Standard

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ES	Exposure scenario
EWC	European Waste Catalogue
IC <sub>50</sub>	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OEL	Threshold Limit Value
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

### 16.3. Key literature references and sources for data

No data available

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
aerosol dispensers and lighters ( <i>Aerosol 1</i> )	H222; H229: Extremely flammable aerosol. Pressurised container: May burst if heated.	
Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )	H319: Causes serious eye irritation.	
STOT-single exposure ( <i>STOT SE 3</i> )	H336: May cause drowsiness or dizziness.	

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Supplemental hazard information	
EUH066	Repeated exposure may cause skin dryness or cracking.

### 16.6. Training advice

No data available

### 16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

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\* Data changed compared with the previous version.