



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Plastic

Revision date: 27.11.2019

Product code: 120

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#### Hazard statements

|      |   |
|------|---|
| H222 | Extremely flammable aerosol.                |
| H229 | Pressurised container: May burst if heated. |
| H319 | Causes serious eye irritation.              |
| H336 | May cause drowsiness or dizziness.          |

#### Precautionary statements

|                |  |
|----------------|--|
| P211           | Do not spray on an open flame or other ignition source.  |
| P102           | Keep out of reach of children.   |
| P501           | Dispose of contents/container to Dispose of this material and its container to hazardous or special waste collection point..     |
| P410+P412      | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P271           | Use only outdoors or in a well-ventilated area.  |
| P251           | Do not pierce or burn, even after use.   |
| P210           | Keep away from heat. No Smoking.   |

#### Special labelling of certain mixtures

|        |   |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
|--------|---|

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

| CAS No   | Chemical name  | Quantity         |
|----------|--|------------------|
|          | EC No  |                  |
|          | Index No   |                  |
|          | REACH No   |                  |
|          | GHS Classification   |                  |
| 123-86-4 | n-butyl acetate  | 25-50%           |
|          | 204-658-1  | 607-025-00-1     |
|          | Flam. Liq. 3, STOT SE 3; H226 H336 EUH066                    |                  |
| 106-97-8 | butane   | 10-25%           |
|          | 203-448-7  | 601-004-00-0     |
|          | Flam. Gas 1; H220  |                  |
| 67-64-1  | acetone; propan-2-one; propanone                             | 10-25%           |
|          | 200-662-2  | 606-001-00-8     |
|          | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066 |                  |
| 107-98-2 | 1-Methoxy-2-propanol   | 10-25 %          |
|          | 203-539-1  | 01-2119457435-35 |
|          | Flam. Liq. 3, STOT SE 3; H226 H336                           |                  |
| 74-98-6  | propane  | 1,5-10%          |
|          | 200-827-9  | 601-003-00-5     |
|          | Flam. Gas 1; H220  |                  |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

If swallowed, immediately drink: Water.

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

No data available

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

No data available

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder.**Unsuitable extinguishing media**

Water with tenside additive. Water.

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

Heating causes rise in pressure with risk of bursting.

**5.3. Advice for firefighters**

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

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

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

Provide adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Explosion hazard.

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

Ventilate affected area.

**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.

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

Keep container tightly closed.

**Hints on joint storage**

Do not store together with: Material, rich in oxygen, oxidizing.

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

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#### Exposure limits (EH40)

| CAS No   | Substance            | ppm  | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|----------|----------------------|------|-------------------|-----------|---------------|--------|
| 107-98-2 | 1-Methoxypropan-2-ol | 100  | 375               |           | TWA (8 h)     | WEL    |
|          |                      | 150  | 560               |           | STEL (15 min) | WEL    |
| 67-64-1  | Acetone              | 500  | 1210              |           | TWA (8 h)     | WEL    |
|          |                      | 1500 | 3620              |           | STEL (15 min) | WEL    |
| 106-97-8 | Butane               | 600  | 1450              |           | TWA (8 h)     | WEL    |
|          |                      | 750  | 1810              |           | STEL (15 min) | WEL    |
| 123-86-4 | Butyl acetate        | 150  | 724               |           | TWA (8 h)     | WEL    |
|          |                      | 200  | 966               |           | STEL (15 min) | WEL    |

#### 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.

##### Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

##### Eye/face protection

Tightly sealed safety glasses.

##### Hand protection

DIN EN 374 Tested protective gloves are to be worn: NBR (Nitrile rubber) 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. NBR (Nitrile rubber)

##### Skin protection

Protective 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: Aerosol  
 Colour: colourless  
 Odour: characteristic

##### Changes in the physical state

Initial boiling point and boiling range: -0,5 °C  
 Flash point: <0 °C  
 Lower explosion limits: 1,4 vol. %  
 Upper explosion limits: 14,3 vol. %  
 Ignition temperature: 270 °C  
 Vapour pressure: 2100 hPa  
 (at 20 °C)

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 Vapour pressure: 4900 hPa  
(at 50 °C)

 Density (at 20 °C): 0,88 g/cm<sup>3</sup>

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available

#### 10.2. Chemical stability

No data available

#### 10.3. Possibility of hazardous reactions

No data available

#### 10.4. Conditions to avoid

Keep away from heat. Ignition hazard.

#### 10.5. Incompatible materials

No data available

#### 10.6. Hazardous decomposition products

No data available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

| CAS No   | Chemical name                    |               |         |         |        |        |
|----------|----------------------------------|---------------|---------|---------|--------|--------|
|          | Exposure route                   | Dose          |         | Species | Source | Method |
| 106-97-8 | butane                           |               |         |         |        |        |
|          | inhalation (4 h) gas             | LC50<br>ppm   | 273000  | Rat     | GESTIS |        |
| 67-64-1  | acetone; propan-2-one; propanone |               |         |         |        |        |
|          | oral                             | LD50<br>mg/kg | 5800    | Rat     | RTECS  |        |
|          | dermal                           | LD50<br>mg/kg | 20000   | Rabbit  | IUCLID |        |
|          | inhalation (4 h) vapour          | LC50          | 76 mg/l | Rat     |        |        |

##### Irritation and corrosivity

Vapours may cause drowsiness and dizziness.

##### STOT-repeated exposure

Has degreasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

| CAS No  | Chemical name                    |              |           |                                 |        |        |
|---------|----------------------------------|--------------|-----------|---------------------------------|--------|--------|
|         | Aquatic toxicity                 | Dose         | [h]   [d] | Species                         | Source | Method |
| 67-64-1 | acetone; propan-2-one; propanone |              |           |                                 |        |        |
|         | Acute fish toxicity              | LC50<br>mg/l | 5540      | 96 h<br>Onchorhynchus<br>mykiss |        |        |
|         | Acute crustacea toxicity         | EC50<br>mg/l | 6100      | 48 h<br>Daphnia magna           |        |        |

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**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

| CAS No   | Chemical name                    | Log Pow |
|----------|----------------------------------|---------|
| 106-97-8 | butane                           | 2,89    |
| 67-64-1  | acetone; propan-2-one; propanone | -0,24   |
| 74-98-6  | propane                          | 2,36    |

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

**Waste disposal number of waste from 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

**Waste disposal number of contaminated packaging**

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
Hazard label: 2.1



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

**Other applicable information (land transport)**

E0

**Inland waterways transport (ADN)**

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
Hazard label: 2.1

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

**Other applicable information (inland waterways transport)**

E0

**Marine transport (IMDG)**

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2, see SP63

Special Provisions: 63, 190, 277, 327, 344, 959  
Limited quantity: See SP277  
EmS: F-D, S-U

**Other applicable information (marine transport)**

E0

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

**14.1. UN number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable  
**14.3. Transport hazard class(es):** 2.1  
Hazard label: 2.1



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

**Other applicable information (air transport)**

E0

: Y203

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**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 28: butane

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2004/42/EC (VOC): 283g/400ml Dose

**National regulatory information**

Water contaminating class (D): 2 - clearly water contaminating

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

|        |   |
|--------|---|
| H220   | Extremely flammable gas.                              |
| H222   | Extremely flammable aerosol.                          |
| H225   | Highly flammable liquid and vapour.                   |
| H226   | Flammable liquid and vapour.                          |
| H229   | Pressurised container: May burst if heated.           |
| H319   | Causes serious eye irritation.                        |
| H336   | May cause drowsiness or dizziness.                    |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

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