



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Urethane red**

Revision date: 11.04.2022

Product code: 165

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

|      |   |
|------|---|
| H222 | Extremely flammable aerosol.  |
| H229 | Pressurised container: May burst if heated.                             |
| H336 | May cause drowsiness or dizziness.                                      |
| H372 | Causes damage to organs (Leber) through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects.                      |

**Precautionary statements**

|           |  |
|-----------|--|
| P273      | Avoid release to the environment.  |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed.             |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P312      | Call a doctor if you feel unwell.  |
| P271      | Use only outdoors or in a well-ventilated area.                              |
| P260      | Do not breathe dust/fume/gas/mist/vapours/spray.                             |
| P251      | Do not pierce or burn, even after use.                                       |

**Special labelling of certain mixtures**

|        |   |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking.   |
| EUH208 | Contains Enthält Enthält 2-ethylhexanoate of cobalt. Contains ethylhexanoate of cobalt.<br>May produce a allergic reaction.. Kann allergische Reaktionen hervorrufen.. May produce an allergic reaction.<br>Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.<br>Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children. |

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

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**Hazardous components**

| CAS No     | Chemical name  |              |                  | Quantity |
|------------|--|--------------|------------------|----------|
|            | EC No  | Index No     | REACH No         |          |
|            | GHS Classification   |              |                  |          |
| 106-97-8   | butane   |              |                  | 10-30 %  |
|            | 203-448-7  | 601-004-00-0 |                  |          |
|            | Flam. Gas 1; H220  |              |                  |          |
| 74-98-6    | propane  |              |                  | 5-15 %   |
|            | 200-827-9  | 601-003-00-5 |                  |          |
|            | Flam. Gas 1; H220  |              |                  |          |
|            | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,aromatic  |              |                  | 5-15 %   |
|            | 919-446-0  |              | 01-2119458049-33 |          |
|            | Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 2; H226 H336 H372 H304 H400 H411 |              |                  |          |
| 64742-48-9 | Hydrocarbons, C9-C11, n-Alkane, iso-Alkane < 2% (w/w) aromatics  |              |                  | 1-10 %   |
|            | 919-857-5  |              | 01-2119466325-83 |          |
|            | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304   |              |                  |          |
| 90989-38-1 | Aromatic hydrocarbons, C8 (Xylene)   |              |                  | 1-3 %    |
|            | 292-694-9  |              | 01-2119486136-34 |          |
|            | Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Asp. Tox. 1; H226 H332 H312 H315 H304                     |              |                  |          |
| 136-52-7   | 2-ethylhexanoate of cobalt   |              |                  | <01%     |
|            | 205-250-6  |              | 01-2119524678-29 |          |
|            | Repr. 1B, Eye Irrit. 2, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 3; H360 H319 H317 H400 H412                |              |                  |          |

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  |          |
|            | 919-446-0 | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,aromatic   | 5-15 %   |
|            |           | inhalation: LC50 = 13,1 mg/l (vapours); dermal: LD50 = 3400 mg/kg; oral: LD50 = 15000 mg/kg   |          |
| 90989-38-1 | 292-694-9 | Aromatic hydrocarbons, C8 (Xylene)  | 1-3 %    |
|            |           | inhalation: LC50 = 27,1 mg/l (vapours); inhalation: ATE = 4500 ppm (gases); dermal: LD50 = 12126 mg/kg; oral: LD50 = 3523 mg/kg Skin Irrit. 2; H315: >= - 100 |          |

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**
**After inhalation**

Provide fresh air.

**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

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**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**

Combustible. Vapours may form explosive mixtures with air. 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****General measures**

Remove all sources of ignition.

**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****Other information**

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. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

**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 |
|----------|-----------|-----|-------------------|-----------|---------------|--------|
| 106-97-8 | Butane    | 600 | 1450              |           | TWA (8 h)     | WEL    |
|          |           | 750 | 1810              |           | 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**

EN ISO 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:         |                |
| Odour:          | characteristic |

**Changes in the physical state**

|   |                        |
|---|------------------------|
| Boiling point or initial boiling point and boiling range: | -0,5 °C                |
| Flash point:  | <0 °C                  |
| Lower explosion limits:                                   | 1,4 vol. %             |
| Upper explosion limits:                                   | 9,4 vol. %             |
| Auto-ignition temperature:                                | 365 °C                 |
| Vapour pressure:<br>(at 20 °C)                            | 2100 hPa               |
| Vapour pressure:<br>(at 50 °C)                            | 4900 hPa               |
| Density:  | 0,87 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**

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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 hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

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

| CAS No     | Chemical name   |                     |         |        |                    |
|------------|---|---------------------|---------|--------|--------------------|
|            | Exposure route  | Dose                | Species | Source | Method             |
|            | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,aromatic |                     |         |        |                    |
|            | oral  | LD50<br>mg/kg 15000 | Rat     | OECD   | Prüfrichtlinie 401 |
|            | dermal  | LD50<br>mg/kg 3400  | Rabbit  | OECD   | Prüfrichtlinie 402 |
|            | inhalation vapour   | LC50 13,1 mg/l      | Rat     | OECD   | Prüfrichtlinie 403 |
| 90989-38-1 | Aromatic hydrocarbons, C8 (Xylene)                            |                     |         |        |                    |
|            | oral  | LD50<br>mg/kg 3523  | Rat     |        |                    |
|            | dermal  | LD50<br>mg/kg 12126 | Rabbit  |        |                    |
|            | inhalation (4 h) vapour                                       | LC50 27,1 mg/l      | Rat     |        |                    |
|            | inhalation gas  | ATE<br>ppm 4500     |         |        |                    |

##### Irritation and corrosivity

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

##### Sensitising effects

Contains Enthält Enthält 2-ethylhexanoate of cobalt. Contains ethylhexanoate of cobalt. May produce a allergic reaction.. Kann allergische Reaktionen hervorrufen.. May produce an allergic reaction.

##### Carcinogenic/mutagenic/toxic effects for reproduction

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

##### STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,aromatic)

##### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.Causes damage to organs through prolonged or repeated exposure. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,aromatic)

##### Aspiration hazard

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

### SECTION 12: Ecological information

#### 12.1. Toxicity

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| CAS No     | Chemical name   |               |           |         |                            |        |
|------------|---|---------------|-----------|---------|----------------------------|--------|
|            | Aquatic toxicity  | Dose          | [h]   [d] | Species | Source                     | Method |
|            | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics,aromatic |               |           |         |                            |        |
|            | Acute fish toxicity   | LC50<br>mg/l  | 10-30     | 96 h    | Fish                       |        |
|            | Acute algae toxicity  | ErC50<br>mg/l | 0,22      |         | Algae                      |        |
|            | Acute crustacea toxicity                                      | EC50<br>mg/l  | 10-22     | 48 h    | Daphnia pulex (water flea) |        |
| 90989-38-1 | Aromatic hydrocarbons, C8 (Xylene)                            |               |           |         |                            |        |
|            | Acute fish toxicity   | LC50          | 2,6 mg/l  | 96 h    | Fisch                      |        |
|            | Acute algae toxicity  | ErC50         | 2,6 mg/l  | 72 h    | Alge                       |        |

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

| CAS No   | Chemical name | Log Pow |
|----------|---------------|---------|
| 106-97-8 | butane        | 2,89    |
| 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

#### Disposal recommendations

Dispose of waste according to applicable legislation.

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

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

#### List of Wastes Code - 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

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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



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

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**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, Entry 29

2004/42/EC (VOC): 58,82 % (511,734 g/l)

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

|        |   |
|--------|---|
| H220   | Extremely flammable gas.  |
| H222   | Extremely flammable aerosol.  |
| H226   | Flammable liquid and vapour.  |
| H229   | Pressurised container: May burst if heated.   |
| H304   | May be fatal if swallowed and enters airways.   |
| H312   | Harmful in contact with skin.   |
| H315   | Causes skin irritation.   |
| H317   | May cause an allergic skin reaction.  |
| H319   | Causes serious eye irritation.  |
| H332   | Harmful if inhaled.   |
| H336   | May cause drowsiness or dizziness.  |
| H360   | May damage fertility or the unborn child.   |
| H372   | Causes damage to organs (Leber) through prolonged or repeated exposure.   |
| H372   | Causes damage to organs through prolonged or repeated exposure.   |
| H400   | Very toxic to aquatic life.   |
| 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.   |
| EUH208 | Contains Enthält Enthält 2-ethylhexanoate of cobalt. Contains ethylhexanoate of cobalt. May produce a allergic reaction.. Kann allergische Reaktionen hervorrufen.. May produce an allergic reaction. |

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