

according to Regulation (EC) No 1907/2006 (REACH) as amended

**BALTECH S6003 THINNER**

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 26th August 2015   | Version | 3.0 |
| Revision date | 22nd February 2022 |         |     |

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

- 1.1. Product identifier**  
Substance / mixture BALTECH S6003 THINNER  
UFI mixture  
Other mixture names 2ETV-X0U2-6000-F1V0  
Thinner for baking paints.
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
Diluent.  
**Main intended use**  
PC-PNT-7 Paint removers, thinners and related auxiliaries  
**Mixture uses advised against**  
The product should not be used in ways other than those referred in Section 1.  
Exposure scenario is attached to the Safety Data Sheet.
- 1.3. Details of the supplier of the safety data sheet**  
**Distributor**  
Name or trade name BARVY A LAKY TELURIA,s.r.o.  
Address č.p.1, Skrchov, 679 61  
Czech Republic  
Identification number (CRN) 43420371  
VAT Reg No CZ43420371  
Phone +420 516 474 211  
E-mail tel@teluria.cz  
Web address http://www.bal.cz
- Competent person responsible for the safety data sheet**  
Name BARVY A LAKY TELURIA, s.r.o.  
E-mail tel@teluria.cz
- 1.4. Emergency telephone number**  
European emergency number: 112

**SECTION 2: Hazards identification**

- 2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**  
The mixture is classified as dangerous.

Flam. Liq. 3, H226  
Asp. Tox. 1, H304  
Acute Tox. 4, H312+H332  
Skin Irrit. 2, H315  
Eye Dam. 1, H318  
STOT SE 3, H335  
STOT RE 2, H373

Full text of all classifications and hazard statements is given in the section 16.

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### Most serious adverse physico-chemical effects

Flammable liquid and vapour.

### Most serious adverse effects on human health and the environment

Causes skin irritation. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Causes serious eye damage. Harmful in contact with skin or if inhaled.

## 2.2. Label elements

### Hazard pictogram



### Signal word

Danger

### Hazardous substances

reaction mass of ethylbenzene and xylene  
butan-1-ol

### Hazard statements

|           |  |
|-----------|--|
| H226      | Flammable liquid and vapour.                                       |
| H304      | May be fatal if swallowed and enters airways.                      |
| H315      | Causes skin irritation.  |
| H318      | Causes serious eye damage.   |
| H335      | May cause respiratory irritation.                                  |
| H373      | May cause damage to organs through prolonged or repeated exposure. |
| H312+H332 | Harmful in contact with skin or if inhaled.                        |

### Precautionary statements

|                |  |
|----------------|--|
| P102           | Keep out of reach of children.   |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.   |
| P261           | Avoid breathing vapours.   |
| P271           | Use only outdoors or in a well-ventilated area.  |
| P280           | Wear protective gloves/eye protection.   |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                                   |
| P310           | Immediately call a doctor.   |
| P501           | Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town. |

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### Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Substances are neither listed in Annex XIV of REACH nor on the REACH candidate list of substances of very high concern (SVHC). Vapours have intoxicating and narcotic effect, causing headaches, eye irritation and respiratory tract irritation. If swallowed may cause lungs injury (aspiration bronchopneumonia).

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of organic solvents. The mixture contains a reaction mixture of o, m, p-xylene and ethylbenzene (ethylbenzene content <26%).

#### Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers   | Substance name                           | Content in % weight | Classification according to Regulation (EC) No 1272/2008  | Note |
|--|--|---------------------|---|------|
| EC: 905-588-0<br>Registration number:<br>01-2119539452-40  | reaction mass of ethylbenzene and xylene | >80                 | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Acute Tox. 4, H312+H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373 | 1, 2 |
| Index: 603-004-00-6<br>CAS: 71-36-3<br>EC: 200-751-6<br>Registration number:<br>01-2119484630-38 | butan-1-ol                               | <20                 | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335, H336  |      |

#### Notes

- Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- Substance with a Union workplace exposure limit.

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Do not perform artificial respiration without self-protection (e.g. a mask). Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

#### If inhaled

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately; move the affected person to fresh air. Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

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### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

### If swallowed

If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Ensure medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

##### If inhaled

Inhaling vapours can cause corrosion of the breathing system. Cough, headache. May cause respiratory irritation.

##### If on skin

Causes skin irritation.

##### If in eyes

Causes serious eye damage.

##### If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment. Pay attention: contains organic solvents. Ingestion or vomiting may occur due to aspiration into the lungs and then a rapid absorption and damage to other organs. In case of suspected break-liquid ingredients into the lungs get medical help immediately. Get medical supervision for at least 48 hours after ingestion of liquid.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

##### Unsuitable extinguishing media

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

#### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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### SECTION 6: Accidental release measures

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

For workers apart from emergency teams: Avoid inhalation of vapour, prevent skin and eye contact. Wear appropriate protective clothing and gloves. Wear eye protection and face shield if necessary. Use suitable respiratory protection. In closed spaces, ensure fresh air supply. Eliminate all ignition sources. No smoking and no open fire. Keep unnecessary personnel away.

For members of emergency teams: Use appropriate personal protective equipment – protective clothing with antistatic finish and impermeable work shoes. Treat unprotected skin with barrier cream. Anti-chemical protective gloves. For short-time exposure or low concentration, use respirator with organic vapour and dust filter (protection level A/P2); for high concentration and long-term exposure, self-contained respirator is necessary.

#### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. If possible prevent leakage, close container and place damaged container in protective container.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

#### 6.4. Reference to other sections

See the Section 7, 8 and 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### 7.1.1. General health measures

Use the product after due familiarization with its hazard characteristics and proper training or training in its safe use. Do not eat, drink, smoke on the site. Wash your hands and other contaminated parts of body by soap and water before eating and after the use of product is finished. Abide by requirements on personal hygiene when working with hazardous chemical products.

Use technical equipment on the site to control human and environment exposure. Regularly inspect the equipment, ensure cleaning, timely maintenance and permanent functionality. When working, use the recommended personal protective equipment listed in 8.2 of the Safety Data Sheet and in Annex to the Safety Data Sheet. Keep the protective clothing and protective equipment sound and clean. Immediately replace the damaged protective aids for sound ones. Keep the site, tools and aids clean and in sound state. On the site, keep the product in labelled containers or tanks. Store product waste and wastes contaminated by the product in suitable and properly labelled vessels located on designated marked and protected places. Ensure long-term storing of wastes containing the product outside the site.

##### 7.1.2. Fire precautions

When using the product, prevent potential ignition or explosion of the mixture of product vapour and air caused by contact with open flame, sparks, extremely hot surfaces, electrostatic discharges. Do not smoke on the site, use non-sparking tools. Places with increased occurrence of the vapour-air mixture need to be ventilated to prevent formation of explosive mixtures. Solvent vapours are heavier than air. The site should be protected from electrostatic discharges.

##### 7.1.3. Environmental precautions

Handle the product on a site technically adapted to avoid accidental leakage to sewerage systems, water or soil. Product waste and wastes contaminated by the product to be disposed of as hazardous waste. Waste water contaminated by the product may only be discharged to water reservoirs after the product components are properly removed in a waste water treatment plant or in other appropriate treatment plant able to remove drifted product components from water. Do not pour the product to waste water. Emissions of solvent from point sources are subjected to control requirements acc. to air protection regulations.

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

Store the product in properly marked, closed containers in well ventilated spaces at 5 – 25 °C. The storages must meet the requirements on storing of flammable liquids and substances hazardous for aquatic life and soil. Protect from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Store away from oxidising substances and strong acids. Do not store with food, drinks, feed material, medicines. Storages should be protected from static electricity. First aid kit and water suitable for eye rinsing should be available. Keep away from products that are corrosive to metals (eg acids or pool chemicals).

| Content | Packaging type | Material of package |
|---------|----------------|---------------------|
| 0,7 l   | can / tin      | FE                  |
| 4 l     | jerry can      | FE                  |
| 9 l     | jerry can      | FE                  |
| 160 kg  | barrel / drum  | FE                  |

Storage class 3A - Flammable liquids (flash point below 55 °C)  
 Storage temperature min 5 °C, max 25 °C

#### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

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

The conclusions of the chemical safety assessment of a mixture for use as a solvent, as a paint thinner and as a cleaning agent are incorporated in the relevant sections of the safety data sheet. Specific requirements for the safe industrial and professional use of the thinner from the point of view of worker protection and environmental protection, developed on the basis of information from exposure scenarios for the given types of use, are given in the annex to the safety data sheet.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### European Union

##### Commission Directive 2000/39/EC

| Substance name (component) | Type           | Value                 | Note |
|----------------------------|----------------|-----------------------|------|
| xylenes                    | OEL 8 hours    | 221 mg/m <sup>3</sup> | Skin |
|                            | OEL 8 hours    | 50 ppm                |      |
|                            | OEL 15 minutes | 442 mg/m <sup>3</sup> |      |
|                            | OEL 15 minutes | 100 ppm               |      |
| ethylbenzene               | OEL 8 hours    | 442 mg/m <sup>3</sup> | Skin |
|                            | OEL 8 hours    | 100 ppm               |      |
|                            | OEL 15 minutes | 884 mg/m <sup>3</sup> |      |
|                            | OEL 15 minutes | 200 ppm               |      |

#### DNEL

butan-1-ol

| Workers / consumers | Route of exposure | Value                   | Effect                   | Determining method |
|---------------------|-------------------|-------------------------|--------------------------|--------------------|
| Workers             | Inhalation        | 310 mg/m <sup>3</sup>   | Local chronic effects    |                    |
| Consumers           | Inhalation        | 55.36 mg/m <sup>3</sup> | Systemic chronic effects |                    |
| Consumers           | Oral              | 1.56 mg/kg bw/day       | Systemic chronic effects |                    |
| Consumers           | Inhalation        | 155 mg/m <sup>3</sup>   | Local chronic effects    |                    |
| Consumers           | Dermal            | 3.125 mg/kg bw/day      | Systemic chronic effects |                    |

reaction mass of ethylbenzene and xylene

| Workers / consumers | Route of exposure | Value                  | Effect                   | Determining method |
|---------------------|-------------------|------------------------|--------------------------|--------------------|
| Workers             | Inhalation        | 221 mg/m <sup>3</sup>  | Systemic chronic effects |                    |
| Workers             | Inhalation        | 221 mg/m <sup>3</sup>  | Local chronic effects    |                    |
| Workers             | Inhalation        | 442 mg/m <sup>3</sup>  | Local acute effects      |                    |
| Workers             | Dermal            | 212 mg/kg bw/day       | Systemic chronic effects |                    |
| Consumers           | Inhalation        | 65.3 mg/m <sup>3</sup> | Systemic chronic effects |                    |
| Consumers           | Inhalation        | 260 mg/m <sup>3</sup>  | Systemic acute effects   |                    |
| Consumers           | Dermal            | 125 mg/kg bw/day       | Systemic chronic effects |                    |
| Consumers           | Oral              | 12.5 mg/kg bw/day      | Systemic chronic effects |                    |
| Workers             | Inhalation        | 221 mg/m <sup>3</sup>  | Local chronic effects    |                    |
| Workers             | Inhalation        | 442 mg/m <sup>3</sup>  | Systemic acute effects   |                    |
| Consumers           | Inhalation        | 65.3 mg/m <sup>3</sup> | Local chronic effects    |                    |
| Consumers           | Inhalation        | 260 mg/m <sup>3</sup>  | Local chronic effects    |                    |



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### PNEC

butan-1-ol

| Route of exposure                             | Value                                     | Determining method |
|---|---|--------------------|
| Freshwater environment                        | 0.082 mg/l                                |                    |
| Seawater                                      | 0.0082 mg/l                               |                    |
| Water (intermittent release)                  | 2.25 mg/l                                 |                    |
| Microorganisms in wastewater treatment plants | 2476 mg/l                                 |                    |
| Freshwater sediment                           | 0.324 mg/kg of dry substance of sediment  |                    |
| Sea sediments                                 | 0.0324 mg/kg of dry substance of sediment |                    |
| Soil (agricultural)                           | 0.0166 mg/kg of dry substance of soil     |                    |

reaction mass of ethylbenzene and xylene

| Route of exposure                             | Value                                    | Determining method |
|---|--|--------------------|
| Freshwater environment                        | 327 µg/l                                 |                    |
| Seawater                                      | 327 µg/l                                 |                    |
| Microorganisms in wastewater treatment plants | 6.58 mg/l                                |                    |
| Freshwater sediment                           | 12.46 mg/kg of dry substance of sediment |                    |
| Sea sediments                                 | 12.46 mg/kg of dry substance of sediment |                    |
| Soil (agricultural)                           | 2.31 mg/kg of dry substance of soil      |                    |

### 8.2. Exposure controls

Conditions of safe use of the registered product composition components specified in exposure scenarios to Safety Data Sheets of the components are given in Annex of the SDS, including the required additional measures restricting the exposure – see the exposure scenarios for the intended uses of the product.

General safety and hygienic measures. When working, do not eat, drink, smoke. Before the break and after the work, hands should be washed with soap and hot water, treated with barrier cream. Overall and local ventilation, effective extraction.

#### Eye/face protection

Protective goggles (closed eye protection) resistant to organic solvent or face shield.

#### Skin protection

Skin protection: Protective clothes with antistatic finish, protective shoes; treat unprotected skin with barrier cream. Hand protection: Chemical resistant protective gloves (EN 374-1:2003). Suitable material – PVA, fluoroelastomere and others, time of penetration corresponding to > 480 minutes. The time of penetration specified by the manufacturer should be followed and the glove replaced after expiration. If damaged, the gloves should be replaced immediately.

The selection of suitable protective gloves does not only depend on their material, but also on other qualitative features. Furthermore, since the mixture can be used for various purposes, mixed with other substances, the suitability of gloves for all purposes cannot be predetermined and must be verified in particular use.



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**Respiratory protection**

Don't breathe vapours. For short-time exposure or low concentration, use respirator with organic vapour and dust filter (protection level A/P2); for high concentration and long-term exposure, self-contained respirator is necessary.

**Thermal hazard**

Not available.

**Environmental exposure controls**

Ensure that containers are properly closed during storage, handling and transport. Secure storage areas against possible leakage of product into the environment (sewerage, water, soil - see 6.2). Do not flush product into drains or watercourses.

**More information**

Exposure scenario is attached to the Safety Data Sheet.

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

|  |                                   |
|--|-----------------------------------|
| Physical state   | liquid                            |
| Colour   | colourless                        |
| color intensity  | transparent                       |
| Odour  | characteristic                    |
| Melting point/freezing point                             | data not available                |
| Boiling point or initial boiling point and boiling range | data not available                |
| Flammability   | Flammable liquid.                 |
| Lower and upper explosion limit                          |                                   |
| bottom   | 1-2 %                             |
| upper  | 6-8 %                             |
| Flash point  | 24 - 29 °C                        |
| Auto-ignition temperature                                | data not available                |
| Decomposition temperature                                | not applicable                    |
| pH   | non-soluble (in water)            |
| Kinematic viscosity                                      | <20,5 mm <sup>2</sup> /s at 40 °C |
| Solubility in water                                      | data not available                |
| Partition coefficient n-octanol/water (log value)        | data not available                |
| Vapour pressure  | data not available                |
| Density and/or relative density                          |                                   |
| Density  | 0,85 g/cm <sup>3</sup> at 20 °C   |
| Relative vapour density                                  | data not available                |
| Particle characteristics                                 | data not available                |

**9.2. Other information**

|                            |            |
|----------------------------|------------|
| Total organic carbon (TOC) | 0,87 kg/kg |
|----------------------------|------------|

**SECTION 10: Stability and reactivity****10.1. Reactivity**

The mixture is flammable. When used in the standard way, there is not any dangerous reaction with other substances.

**10.2. Chemical stability**

The product is volatile and evaporates under standard temperature and pressure. It is stable when stored and handled under standard ambient conditions.

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### 10.3. Possibility of hazardous reactions

No known dangerous reactions when used under standard conditions. Flammable liquid. Vapours may form explosive mixture with air. Vapours are heavier than air, accumulate near the ground and below ground, and the fire can spread over long distances.

### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

#### Acute toxicity

Harmful in contact with skin or if inhaled.

butan-1-ol

| Route of exposure | Parameter        | Value      | Time of exposure | Species                 | Sex |
|-------------------|------------------|------------|------------------|-------------------------|-----|
| Oral              | LD <sub>50</sub> | 2292 mg/kg |                  | Rat (Rattus norvegicus) |     |
| Inhalation        | LC <sub>50</sub> | 17.76 mg/l | 4 hour           | Rat (Rattus norvegicus) |     |
| Dermal            | LD <sub>50</sub> | 3434 mg/kg |                  | Rabbit                  |     |

reaction mass of ethylbenzene and xylene

| Route of exposure | Parameter        | Value                   | Time of exposure | Species                 | Sex |
|-------------------|------------------|-------------------------|------------------|-------------------------|-----|
| Oral              | LD <sub>50</sub> | 3523 mg/kg bw           |                  | Rat (Rattus norvegicus) | M   |
| Inhalation        | LC <sub>50</sub> | 29000 mg/m <sup>3</sup> |                  | Rat (Rattus norvegicus) |     |
| Dermal            | LD <sub>50</sub> | 12126 mg/kg bw          |                  | Rabbit                  | M   |

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

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### 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.

### Toxicity for specific target organ - single exposure

May cause respiratory irritation.

### Toxicity for specific target organ - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard

May be fatal if swallowed and enters airways.

## 11.2. Information on other hazards

not available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

Data for the mixture are not available.

butan-1-ol

| Parameter        | Value     | Time of exposure | Species                                     | Environment |
|------------------|-----------|------------------|---|-------------|
| LC <sub>50</sub> | 1376 mg/l | 96 hour          | Fishes (Oncorhynchus mykiss)                |             |
| EC <sub>50</sub> | 1328 mg/l | 48 hour          | Daphnia (Daphnia magna)                     |             |
| EC <sub>50</sub> | 225 mg/l  | 72 hour          | Algae and other aquatic plants              |             |
| EC 10            | 2476 mg/l | 17 hour          | Microorganisms (Photobacterium phosphoreum) |             |

reaction mass of ethylbenzene and xylene

| Parameter        | Value    | Time of exposure | Species                           | Environment |
|------------------|----------|------------------|-----------------------------------|-------------|
| LC <sub>50</sub> | 2.6 mg/l | 96 hour          | Fishes (Oncorhynchus mykiss)      |             |
| EC <sub>50</sub> | 1 mg/l   | 48 hour          | Daphnia (Daphnia magna)           |             |
| EC <sub>50</sub> | 2.2 mg/l | 72 hour          | Algae (Selenastrum capricornutum) |             |

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### 12.2. Persistence and degradability

#### Biodegradability

reaction mass of ethylbenzene and xylene

| Parameter | Value | Time of exposure | Environment | Result               |
|-----------|-------|------------------|-------------|----------------------|
|           |       |                  |             | Easily biodegradable |

Data for mixture not available.

### 12.3. Bioaccumulative potential

reaction mass of ethylbenzene and xylene

| Parameter | Value | Time of exposure | Species | Environment | Surrounding temperature [°C] |
|-----------|-------|------------------|---------|-------------|------------------------------|
| BCF       | 25.9  |                  |         |             |                              |

Data for mixture not available.

### 12.4. Mobility in soil

The mixture is a liquid insoluble in water, in case of leakage into environment, it may be dispersed over large distances and penetrate into underground water. It contains components with the potential of mobility in soil. When released into the soil may occur due to contamination of groundwater.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. Other adverse effects

Harms public health and the environment by destroying ozone in the upper atmosphere.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

07 03 04 other organic solvents, washing liquids and mother liquors \*

according to Regulation (EC) No 1907/2006 (REACH) as amended

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**Packaging waste type code**

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

15 01 04 metallic packaging

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

**SECTION 14: Transport information**
**14.1. UN number or ID number**

UN 1263

**14.2. UN proper shipping name**

PAINT

**14.3. Transport hazard class(es)**

3 Flammable liquids

**14.4. Packing group**

III - substances presenting low danger

**14.5. Environmental hazards**

not relevant

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

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

not relevant

**Additional information**

Hazard identification No.

|           |
|-----------|
| <b>30</b> |
|-----------|

UN number

|             |
|-------------|
| <b>1263</b> |
|-------------|

Classification code

F1

Safety signs

3


**Air transport - ICAO/IATA**

Packaging instructions passenger 355

Cargo packaging instructions 366

**Marine transport - IMDG**

EmS (emergency plan) F-E, S-E

MFAG 310

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

according to Regulation (EC) No 1907/2006 (REACH) as amended

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### 15.2. Chemical safety assessment

The relevant exposure scenarios are incorporated in the annex to the safety data sheet.

### SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

|           |  |
|-----------|--|
| H226      | Flammable liquid and vapour.                                       |
| H302      | Harmful if swallowed.  |
| H304      | May be fatal if swallowed and enters airways.                      |
| H315      | Causes skin irritation.  |
| H318      | Causes serious eye damage.   |
| H319      | Causes serious eye irritation.                                     |
| H335      | May cause respiratory irritation.                                  |
| H336      | May cause drowsiness or dizziness.                                 |
| H373      | May cause damage to organs through prolonged or repeated exposure. |
| H312+H332 | Harmful in contact with skin or if inhaled.                        |

#### Guidelines for safe handling used in the safety data sheet

|                |  |
|----------------|--|
| P102           | Keep out of reach of children.   |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.   |
| P271           | Use only outdoors or in a well-ventilated area.  |
| P501           | Dispose of contents/container to in accordance with local regulations by handing over to a person authorized to dispose of waste or a site designated by the town. |
| P261           | Avoid breathing vapours.   |
| P280           | Wear protective gloves/eye protection.   |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P310           | Immediately call a 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.                                   |

#### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

#### Key to abbreviations and acronyms used in the safety data sheet

|                  |   |
|------------------|---|
| ADR              | European agreement concerning the international carriage of dangerous goods by road               |
| BCF              | Bioconcentration Factor   |
| CAS              | Chemical Abstracts Service  |
| CLP              | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL             | Derived no-effect level   |
| EC <sub>50</sub> | Concentration of a substance when it is affected 50% of the population                            |
| EINECS           | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS              | Emergency plan  |
| ES               | Identification code for each substance listed in EINECS   |
| EU               | European Union  |
| EuPCS            | European Product Categorisation System  |
| IATA             | International Air Transport Association   |
| IBC              | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| ICAO             | International Civil Aviation Organization   |

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|                  |   |
|------------------|---|
| IMDG             | International Maritime Dangerous Goods  |
| INCI             | International Nomenclature of Cosmetic Ingredients  |
| ISO              | International Organization for Standardization  |
| IUPAC            | International Union of Pure and Applied Chemistry   |
| LC <sub>50</sub> | Lethal concentration of a substance in which it can be expected death of 50% of the population    |
| LD <sub>50</sub> | Lethal dose of a substance in which it can be expected death of 50% of the population             |
| log Kow          | Octanol-water partition coefficient   |
| MARPOL           | International Convention for the Prevention of Pollution from Ships                               |
| OEL              | Occupational Exposure Limits  |
| PBT              | Persistent, Bioaccumulative and Toxic   |
| PNEC             | Predicted no-effect concentration   |
| ppm              | Parts per million   |
| REACH            | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID              | Agreement on the transport of dangerous goods by rail   |
| UN               | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB             | Substances of unknown or variable composition, complex reaction products or biological materials  |
| VOC              | Volatile organic compounds  |
| vPvB             | Very Persistent and very Bioaccumulative  |
| Acute Tox.       | Acute toxicity  |
| Asp. Tox.        | Aspiration hazard   |
| Eye Dam.         | Serious eye damage  |
| Eye Irrit.       | Eye irritation  |
| Flam. Liq.       | Flammable liquid  |
| Skin Irrit.      | Skin irritation   |
| STOT RE          | Specific target organ toxicity - repeated exposure  |
| STOT SE          | Specific target organ toxicity - single exposure  |

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

Commission Regulation (EU) 2020/878 of 18 June 2020. REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### The changes (which information has been added, deleted or modified)

The version 3.0 replaces the SDS version from 30.8.2016. Overall revision of SDS according to Commission Regulation (EU) 2020/878.

### More information

Classification procedure - calculation method.

## Statement

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The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

## EXPOSURE SCENARIO - Annex to the Safety Data Sheet

### Recommendations for the safe use of thinner

| <b>Industrial use as thinner, solvent and for cleaning</b>   |  |
|--|--|
| It covers the use of the product as a thinner, solvent and cleaning agent, including moving the product from warehouse, filling/emptying containers and equipment, exposure during mixing and dilution in the preparation phase, application processes (including spraying, brushing, dipping, mechanical and manual wiping), cleaning and maintenance of relevant equipment, laboratory activities. |  |
| Descriptors of sub-activities covered  | PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15, PROC19; ERC4  |
| General conditions of validity of the guidelines   | Unless otherwise stated, the following instructions cover work with the product of up to a concentration of 100 %, at a temperature not exceeding ambient temperature by more than 20 °C, 8 hours a day, indoors.  |
| Basic requirements for technical and organizational working conditions and risk reduction measures   | <p>The basic principles of good occupational hygiene are applied in the workplace (see section 7 of the Safety Data Sheet).</p> <p>Wear safety goggles or face shield if there is a risk of splashing and eye exposure. Use protective gloves if there is a risk of prolonged contact with your hands (see section 8.2 of the Safety Data Sheet). Work in protective work clothes.</p> <p>Unless otherwise stated below, ensure a good level of general ventilation (3-5 air changes/h or more) or better at the workplace. This can be achieved by ventilation through open windows and doors or by using more efficient forced ventilation systems (10-15 air changes per hour).</p> <p>Use respiratory protection if NPK or PEL values are exceeded (see section 8 of the Safety Data Sheet).</p> <p>Workplaces must meet the requirements for work with flammable liquids capable of producing explosive mixtures of vapours with air.</p> <p>The workplace must meet the requirements against accidental leaks of the product into water or soil.</p> |
| <b>Specific requirements for safe use from the point of view of employee protection:</b>   |  |
| Sub-activities (Process code)  | Additional requirements for technical conditions of use and risk reduction measures  |
| Use of the substance in closed continuous and batch processes (PROC1, PROC2, PROC3)  | Local exhaust ventilation at the point of potential emission leakage from a closed facility. No additional requirements (work in closed facilities).   |
| Use of the substance during mixing and dilution in an open facility (PROC5)  | Use a forced ventilation system (10-15 air changes per hour).  |
| Industrial spray/mist application (PROC7)  | Machine applications in a closed chamber equipped with ventilation with laminar flow. Use a respirator complying with the ČSN EN 140 standard with a type A filter or better.  |
| Product transfers, pumping, pouring in an open system with the possibility of exposure (PROC8a)  | Avoid exposure for more than 1 hour when working with the product in concentrations higher than 80 %.  |
| Product transfers, pumping, pouring in a closed system with limited exposure (PROC8b)  | Use local exhaust ventilation at points of release of emissions into the air.  |
| Application by roller or brush, including cleaning of these tools (PROC10)   | Use local exhaust ventilation at points of release of emissions into the air. Avoid exposure for more than 1 hour.   |
| Application by dipping or pouring (PROC13)   | Use a forced ventilation system (10-15 air changes per hour).  |
| Manual wiping, mixing and hand application (PROC19)  | Wear chemically resistant protective gloves in combination with training (see section 8.2 of the Safety Data Sheet).   |
| Laboratory activities (PROC15)   | Handling in a hood or in the presence of vacuum ventilation. Avoid exposure for more than 15 minutes outside the hood.   |
| Storage  | In closed containers, no additional requirements.  |
| Activities with product waste and waste contaminated by the product  | Wear protective gloves if there is a risk of contact with waste. Store waste in resealable containers stored in well-ventilated areas or outdoors. Secure waste against leakage into water and soil.   |
| <b>Specific requirements from the point of view of environmental protection:</b>   |  |
| Requirements from the point of view of air protection  | If the limits of solvent consumption set by Decree No.171 /2016 Coll. are exceeded, use procedures for the recovery of solvents from waste air or dispose of solvents by their combustion or by other procedures guaranteeing compliance with the emission parameters laid down by air protection regulations.   |
| Requirements from the point of view of water protection  | Before discharging to surface or ground water, clean water contaminated with the product by physical or biological methods to the residual level of pollution prescribed by water protection regulations. When discharging treated waste water, observe the pollution parameters set for the given facility by the water management authority.   |
| Requirements from the point of view of waste management  | Dispose of solvent waste from cleaning equipment and work tools as hazardous waste. Prevent leakage or discharge of any liquid waste into surface and ground water. Use, regenerate or dispose of product waste as hazardous waste by combustion, as appropriate.  |

| <b>Professional use as thinner, solvent and for cleaning</b>  |  |
|---|--|
| It covers the use of the product as a thinner, solvent and cleaning agent, including moving the product from warehouses, filling/emptying containers and equipment, exposure during mixing and dilution in the preparation phase, application processes (including spraying, brushing, dipping, mechanical and manual wiping) and cleaning and maintenance of relevant equipment. |  |
| Descriptors of sub-activities covered.  | PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC19; ERC8a (indoor use), ERC8d (outdoor use)  |
| General conditions of validity of the guidelines.   | Unless otherwise stated, the following instructions cover work with the product of up to a concentration of 100 %, at a temperature not exceeding ambient temperature by more than 20 °C, 8 hours a day, indoors.  |
| Basic requirements for technical conditions of use and risk reduction measures.   | <p>The basic principles of good occupational hygiene are applied in the workplace (see section 7 of the Safety Data Sheet).</p> <p>Wear safety goggles or face shield if there is a risk of splashing and eye exposure. Use protective gloves if there is a risk of prolonged contact with your hands (see section 8.2 of the Safety Data Sheet).</p> <p>Unless otherwise stated below, ensure a good level of basic ventilation (3-5 air changes/h) at indoor workplaces. This can be achieved by ventilation through open windows and doors or more efficient forced ventilation (10-15 air changes per hour).</p> <p>Use respiratory protection if NPK or PEL values are exceeded (see section 8 of the Safety Data Sheet).</p> <p>Workplace measures are in place to prevent the formation of a fire or explosion of a mixture of product vapours with air (see section 7 of the Safety Data Sheet).</p> |
| <b>Specific requirements for safe use from the point of view of employee protection:</b>  |  |
| <b>Sub-activities (Process code)</b>  | <b>Additional requirements for technical conditions of use and risk reduction measures</b>   |
| Use of the substance in closed continuous and batch processes (PROC1, PROC2, PROC3)   | Local exhaust ventilation at the point of potential emission leakage from a closed facility. No additional requirements (work in closed facilities).   |
| Use of the substance during mixing and dilution in an open facility (PROC5)   | When working indoors, use a forced ventilation system (10-15 air changes per hour).<br>There are no requirements for additional measures when working outdoors.  |
| Product transfers, pumping, pouring in an open system with the possibility of exposure (PROC8a) (one of the above procedures can be used)   | When working indoors, use local exhaust ventilation at potential emission points.<br>Work indoors without local exhaust ventilation for a maximum of 1 hour per day. For the rest of the work shift, the employee should no longer be exposed to product vapours.<br>Work outdoors.  |
| Product transfers, pumping, pouring in a closed system with limited possibility of exposure (PROC8b)  | Local exhaust ventilation at the point of potential emission leakage from a closed facility. No additional requirements (work in closed facilities).   |
| Application by roller or brush, including cleaning of these tools (PROC10) (one of the above procedures can be used)  | When working indoors, use a forced ventilation system (10-15 air changes per hour).<br>When working indoors with a concentrated product, use a protective mask according to ČSN EN 140 with a type A filter or better.<br>Work outdoors.   |
| Non-industrial (manual) spray/mist application (PROC11) (one of the above procedures can be used)   | When working indoors, use a protective mask according to ČSN EN 140 with a type A filter or better.<br>The product can be sprayed for up to 4 hours a day under conditions of ventilation with laminar flow. The employee should not be exposed to the product for the rest of the working time.<br>Work outdoors.   |
| Application by dipping or pouring (PROC13)  | Use local exhaust ventilation at points of release of emissions into the air.  |
| Manual wiping, mixing and hand application (PROC19) (one of the above procedures can be used)   | When working indoors, work with a mixture containing no more than 5 % of the product.<br>When working outdoors, avoid activities involving exposure to the concentrated product for more than 15 minutes.  |
| One-off manual application using aerosol applicators, by dipping, roller application, brush application (PROC10)  | Indoors: local exhaust ventilation or good basic ventilation (3-5 air changes/h) together with the use of respiratory protection meeting the requirements of ČSN EN 140 with a type A filter or better.<br>Outdoors: use respiratory protection meeting the requirements of ČSN EN 140 with a type A filter or better.   |
| Laboratory activities (PROC15)  | Handling in a hood or in the presence of vacuum ventilation. Avoid exposure for more than 15 minutes outside the hood.   |
| Storage   | In closed containers, no additional requirements.  |
| Equipment cleaning and maintenance  | Drain, rinse.  |
| Activities with product waste and waste contaminated by the product   | Wear protective gloves if there is a risk of contact with waste. Store waste in resealable containers stored in well-ventilated areas or outdoors. Secure waste against leakage into water and soil.   |
| <b>Specific requirements from the point of view of environmental protection:</b>  |  |

|   |   |
|---|---|
| Requirements from the point of view of air protection   | There are no special emission control requirements when working outdoors. When working indoors, limit product emissions to the open air depending on the activities performed and the year-round amount of volatile organic compounds used in accordance with the requirements of air protection regulations.                   |
| Requirements from the point of view of water protection | Before discharging to surface or ground water, clean water contaminated with the product by physical or biological methods to the residual level of pollution prescribed by water protection regulations or capture and dispose of it as hazardous waste in cooperation with an authorized person.                              |
| Requirements from the point of view of waste management | Prevent leakage or discharge of any liquid waste into surface and ground water without treatment<br>When discharging treated waste water, observe the pollution parameters set for the given facility by the water management authority.<br>Dispose of solvent waste from cleaning equipment and work tools as hazardous waste. |