

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

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

- 1.1. Product identifier** BALTECH S6001 THINNER
Substance / mixture mixture
UFI Q8TV-X0F8-K000-4CPV
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
THINNER FOR SPRAY APPLICATION OF SOLVENT-BASED PAINTS
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. 2, H225
Asp. Tox. 1, H304
Acute Tox. 4, H312+H332
Skin Irrit. 2, H315
Eye Irrit. 2, H319
STOT SE 3, H335
STOT RE 2, H373

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

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

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

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

xylene (mixture of isomers and ethylbenzene)
ethanol

Hazard statements

| | |
|-----------|--|
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| 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

| | |
|----------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P260 | Do not breathe vapours. |
| P280 | Wear protective gloves/eye protection. |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| 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. |

Density 0,855 g/cm³

TOC 0,80 kg/kg

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. Vapours have intoxicating and narcotic effect, causing headaches, eye irritation and respiratory tract irritation. If swallowed may cause lungs injury (aspiration bronchopneumonia).

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below. The mixture contains a reaction mixture of o, m, p-xylene and ethylbenzene (ethylbenzene content <25%).

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 Registration number: 01-2119539452-40 | xylene (mixture of isomers and ethylbenzene) | 70 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312+H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Specific concentration limit: Acute Tox. 4, H312+H332: C ≥ 12,5 % | 1, 2 |
| Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43 | ethanol | 30 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 | |
| CAS: 3734-33-6 EC: 223-095-2 | Denatonium benzoate | 0,002 | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 | |

Notes

- 1 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.
- 2 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.

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

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. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

DO NOT INDUCE VOMITING - even the inducing of vomiting by itself may cause complications (i.e. inhalation of the substance in airways and lungs or mechanical damage to the mucous membrane of the pharynx may pose a higher threat than the ingested substance in this case). 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

Cough, headache. May cause respiratory irritation.

If on skin

Causes skin irritation.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

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. If you see a doctor, take this safety data sheet with you.

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.

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

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.

Spill: Prevent further leakage or spillage if safe to do so. Do not allow to enter drains, basements or confined areas.

Leakage: Prevent further leakage or spillage if safe to do so. If the leak contaminates a river, lake or sewer, inform the relevant authorities. 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.

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

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 |
|---------|----------------|---------------------|
| 400 ml | can / tin | FE |
| 700 ml | can / tin | FE |
| 700 ml | bottle | PET |
| 4 l | jerry can | 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 substance 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.

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

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 ³ | Skin |
| | OEL 8 hours | 50 ppm | |
| | OEL 15 minutes | 442 mg/m ³ | |
| | OEL 15 minutes | 100 ppm | |
| ethylbenzene | OEL 8 hours | 442 mg/m ³ | Skin |
| | OEL 8 hours | 100 ppm | |
| | OEL 15 minutes | 884 mg/m ³ | |
| | OEL 15 minutes | 200 ppm | |

DNEL

ethanol

| Workers / consumers | Route of exposure | Value | Effect | Determining method |
|---------------------|-------------------|------------------------|--------------------------|--------------------|
| Workers | Inhalation | 950 mg/m ³ | Systemic chronic effects | |
| Workers | Inhalation | 1900 mg/m ³ | Local acute effects | |
| Workers | Dermal | 343 mg/kg bw/day | Systemic chronic effects | |
| Consumers | Inhalation | 114 mg/m ³ | Systemic chronic effects | |
| Consumers | Inhalation | 950 mg/m ³ | Local acute effects | |
| Consumers | Dermal | 206 mg/kg bw/day | Systemic chronic effects | |
| Consumers | Oral | 87 mg/kg bw/day | Systemic chronic effects | |

xylene (mixture of isomers and ethylbenzene)

| Workers / consumers | Route of exposure | Value | Effect | Determining method |
|---------------------|-------------------|------------------------|--------------------------|--------------------|
| Workers | Inhalation | 77 mg/m ³ | Systemic chronic effects | |
| Workers | Inhalation | 289 mg/m ³ | Systemic acute effects | |
| Workers | Inhalation | 289 mg/m ³ | Local acute effects | |
| Workers | Dermal | 180 mg/kg bw/day | Systemic chronic effects | |
| Consumers | Inhalation | 14.8 mg/m ³ | Systemic chronic effects | |
| Consumers | Inhalation | 174 mg/m ³ | Systemic acute effects | |
| Consumers | Inhalation | 174 mg/m ³ | Local acute effects | |
| Consumers | Dermal | 108 mg/kg bw/day | Systemic chronic effects | |
| Consumers | Oral | 1.6 mg/kg bw/day | Systemic chronic effects | |

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

PNEC

ethanol

| Route of exposure | Value | Determining method |
|---|--|--------------------|
| Freshwater environment | 0.96 mg/l | |
| Seawater | 0.79 mg/l | |
| Water (intermittent release) | 2.75 mg/l | |
| Microorganisms in wastewater treatment plants | 580 mg/l | |
| Freshwater sediment | 3.6 mg/kg of dry substance of sediment | |
| Sea sediments | 2.9 mg/kg of dry substance of sediment | |
| Soil (agricultural) | 0.63 mg/kg of dry substance of soil | |

xylene (mixture of isomers and ethylbenzene)

| Route of exposure | Value | Determining method |
|---|--|--------------------|
| Drinking water | 0.327 mg/l | |
| Seawater | 0.327 mg/l | |
| Water (intermittent release) | 0.327 mg/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 – fluoroelastomere, PVA 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.

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

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 |
| Odour | typical aromatic |
| Melting point/freezing point | data not available |
| Boiling point or initial boiling point and boiling range | data not available |
| Flammability | Flammable liquide. |
| Lower and upper explosion limit | data not available |
| Flash point | 24 °C |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| pH | non-soluble (in water) |
| Kinematic viscosity | data not available |
| 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 | 0,855 g/cm ³ |
| Relative vapour density | data not available |
| Particle characteristics | data not available |
| Form | |

9.2. Other information

| | |
|----------------------------|------------|
| Total organic carbon (TOC) | 0,80 kg/kg |
|----------------------------|------------|

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

The substance is flammable. The substance reacts with strong oxidizing agents.

10.2. Chemical stability

The product is stable under normal conditions.

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.

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

BALTECH S6001 THINNER

Creation date 20th February 2017
 Revision date 28th January 2022 Version 2.0

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

Thermal decomposition. The product is stable and no degradation occurs under normal use. Keep away from open flames, hot surfaces and sources of ignition.

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.

ethanol

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex |
|-------------------|------------------|------------|------------------|-------------------------|-----|
| Oral | LD ₅₀ | 2000 mg/kg | | Rat (Rattus norvegicus) | |

xylene (mixture of isomers and ethylbenzene)

| Route of exposure | Parameter | Value | Time of exposure | Species | Sex |
|-------------------|------------------|----------------|------------------|-------------------------|-----|
| Oral | LD ₅₀ | 3523 mg/kg bw | | Rat (Rattus norvegicus) | M |
| Inhalation | LC ₅₀ | 6350-6700 ppm | 4 hour | Rat (Rattus norvegicus) | |
| Dermal | LD ₅₀ | >5000 mg/kg | | Rabbit | |
| Oral | LD ₅₀ | >4000 mg/kg bw | | Rat (Rattus norvegicus) | F |
| | ATE | 1100 mg/kg | | Rabbit | |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious 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.

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

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.

ethanol

| Parameter | Value | Time of exposure | Species | Environment |
|------------------|-----------|------------------|-----------------------------------|-------------|
| LC ₅₀ | 8140 mg/l | 96 hour | Fishes (Oncorhynchus mykiss) | |
| EC ₅₀ | 9248 mg/l | 48 hour | Daphnia (Daphnia magna) | |
| EC ₅₀ | 5000 mg/l | 72 hour | Algae (Selenastrum capricornutum) | |

xylene (mixture of isomers and ethylbenzene)

| Parameter | Value | Time of exposure | Species | Environment |
|------------------|-----------|------------------|---|-------------|
| LC ₅₀ | 2.6 mg/l | 96 hour | Fishes (Oncorhynchus mykiss) | |
| EC ₅₀ | 1 mg/l | 24 hour | Daphnia (Daphnia magna) | |
| EC ₅₀ | 4.36 mg/l | 72 hour | Algae (Selenastrum capricornutum) | |
| EC ₅₀ | 96 mg/l | 24 hour | Microorganisms (Photobacterium phosphoreum) | |

12.2. Persistence and degradability

not available

12.3. Bioaccumulative potential

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

xylene (mixture of isomers and ethylbenzene)

| Parameter | Value | Time of exposure | Species | Environment | Surrounding temperature [°C] |
|-----------|----------|------------------|---------|-------------|------------------------------|
| BCF | 6-23 | | | | |
| Log Pow | 3.15-3.2 | | | | |

Insignificant.

12.4. Mobility in soil

xylene (mixture of isomers and ethylbenzene)

| Parameter | Value | Environment | Surrounding temperature |
|-----------|--------|-------------|-------------------------|
| Koc | 48-540 | | |

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. Contains substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

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 *

Packaging waste type code

15 01 04 metallic packaging

15 01 02 plastic packaging

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

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

SECTION 14: Transport information

- 14.1. UN number or ID number**
UN 1263
- 14.2. UN proper shipping name**
PAINT RELATED MATERIAL
- 14.3. Transport hazard class(es)**
3 Flammable liquids
- 14.4. Packing group**
II - substances presenting medium 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. | 33 |
| UN number | 1263 |
| 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.

15.2. Chemical safety assessment

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

SECTION 16: Other information

Page 13/15

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

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

| | |
|-----------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| 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. |

Guidelines for safe handling used in the safety data sheet

| | |
|----------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| 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. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P260 | Do not breathe vapours. |
| P280 | Wear protective gloves/eye protection. |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P310 | Immediately call a doctor. |

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 | Identification code for each substance listed in EINECS |
| EC ₅₀ | Concentration of a substance when it is affected 50% of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| 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 |
| 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 ₅₀ | Lethal concentration of a substance in which it can be expected death of 50% of the population |

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

BALTECH S6001 THINNER

| | | | |
|---------------|--------------------|---------|-----|
| Creation date | 20th February 2017 | Version | 2.0 |
| Revision date | 28th January 2022 | | |

| | |
|---------------------|---|
| LD ₅₀ | Lethal dose of a substance in which it can be expected death of 50% of the population |
| log K _{ow} | 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 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)

Version 2.0 replaces version of 20.02.2017. Overall revision of SDS in accordance with Commission Regulation (EU) 2020/878.

More information

Classification procedure - calculation method.

Statement

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.

Supplement to the SDS for THINNER

Instructions for safe use of the product

| Industrial use for cleaning and for thinning paints | |
|---|---|
| This applies to the use of the product as an ingredient in cleaning agents and as a thinner of paints, including transfer of the product from warehouses, charging/discharging from/to containers and equipment, exposure during mixing and dilution at the preparation stage of use, application processes (including spraying, brushing, dipping, mechanical and hand wiping), cleaning and maintenance of the relevant equipment, laboratory activities. | |
| Descriptors of the individual activities involved | PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15, PROC19; ERC4 |
| General conditions for the validity of the instructions | The following instructions apply to work with the product in undiluted form, at a temperature not exceeding the ambient temperature by more than 20°C, 8 hours a day, inside. Basic principles of good work hygiene apply at the workplace (see section 7 of SDS). |
| Basic requirements for the technical conditions of use and measures to reduce risks | If there is a risk of atomisation and exposure of eyes, use safety goggles or a shield. If there is a risk of hand contamination, use safety gloves (see sec. 8.2 of the SDS) If NPK or PEL values are exceeded, use respiratory protection (see sec. 8 of the SDS). Unless specified otherwise, a basic level of ventilation in the workplace is expected (unsupported basic air exchange in the workplace). Measures to prevent fire or explosion of the product vapour mixture with air are applied at the workplace (see sec. 7 of the SDS). The workplace must meet the requirements for working with highly flammable liquids capable of forming explosive vapor-air mixtures. The workplace is protected from accidental leakage of the product in water or soil. |
| Specific requirements for safe use in terms of worker protection: | |
| Individual activities | Further requirements for the technical conditions of use and measures to reduce risks |
| Transfer of large amounts in non-dedicated facilities (PROC8a). | Ensure good basic ventilation (3-5 air exchanges/h) or better. Ventilation supported with opening windows and doors, or forced positive pressure or negative pressure ventilation, is expected (10 to 15 air exchanges/h). |
| Automated processes in continuous closed systems (PROC1, PROC2). | No further requirements (work in closed facilities). |
| Transfer in closed systems (PROC3). | No further requirements (work in closed facilities). |
| Application of cleaning agents in closed continuous systems (PROC2). | No further requirements (work in closed facilities). |
| Mixing, blending, thinning of coating composition in open devices (PROC5) | Ensure good basic ventilation (3-5 air exchanges/h) or better. |
| Filling of the equipment from barrels and containers by means of dedicated facility (PROC8b). | Ensure good basic ventilation (3-5 air exchanges/h) or better, or use respiratory protection conforming to the requirements of ČSN EN140 with A type filter or better. |
| Use in closed facility at increased temperature (PROC3). | Local exhaust in the place of potential releases of emissions from the closed facility. |
| Cleaning of small objects in cleaning station (PROC13). | Ensure good basic ventilation (3-5 air exchanges/h) or better. |
| Cleaning in low-pressure washers (PROC10). | Ensure good basic ventilation (3-5 air exchanges/h) or better. |
| Cleaning in high-pressure washers (PROC7). | Box with laminar flow or use respiratory protection conforming to EN140 and A filter. |
| Manual cleaning of surfaces without the use of spraying (PROC10). | Ensure good basic ventilation (3-5 air exchanges/h) or better. |
| Cleaning and maintenance of facility. | |
| Storage with occasional limited exposure (PROC2). | No further requirements (work in closed facilities). |
| Laboratory activities (PROC15). | Work with the local exhaust. |
| Product waste and product-contaminated waste | Wear protective gloves if there is a risk of contact with waste. Dispose of wastes in sealed containers stored in well-ventilated areas or outdoors. Waste to ensure against leakage into water and soil. |
| Specific requirements in terms of environmental protection: | |
| Air protection requirements | If required, reduce product emissions in the air as per requirements of air protection regulations by retention or incineration. |
| Water protection requirements | Water contaminated with the product before release in surface or ground water is to be treated using physical or biological methods to achieve residual level of contamination as specified by water protection regulations. |
| Waste management requirements | As appropriate, waste is to be used, regenerated or disposed of as dangerous waste by incineration. |

| Professional use for cleaning and for thinning paints | |
|--|---|
| This applies to the use of the product as an ingredient in cleaning agents and as a thinner of paints, including transfer of the product from warehouses, charging/discharging from/to containers and equipment, exposure during mixing and dilution at the preparation stage of use, application processes (including spraying, brushing, dipping, mechanical and hand wiping), and cleaning and maintenance of the relevant equipment. | |
| Descriptors of the individual activities involved | PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC19; ERC8a (indoor), ERC8d (outdoor) |
| General conditions for the validity of the instructions | The following instructions apply to work with the product in undiluted form, at a temperature not exceeding the ambient temperature by more than 20°C, 8 hours a day, outside. |
| Basic requirements for the technical conditions of use and measures to reduce risks | If there is a risk of atomisation and exposure of eyes, use safety goggles or a shield. If there is a risk of hand contamination, use safety gloves (see sec. 8.2 of the SDS) Unless specified otherwise, a basic level of ventilation in the workplace is expected (unsupported basic air exchange in the workplace). If NPK or PEL values are exceeded, use respiratory protection (see sec. 8 of the SDS). |
| Specific requirements for safe use in terms of worker protection: | |
| Individual activities | Further requirements for the technical conditions of use and measures to reduce risks |
| Filling/preparation of facility from barrels and containers in non-dedicated facility (PROC8a). | Outdoor: Work for a maximum of 4 h/d, a worker should not be exposed to the product in the rest of the work time. Indoor: Use local exhaust in the places of potential release of emissions. |
| Filling/preparation of facility from barrels and containers in dedicated facility (PROC8b). | Ensure good basic ventilation (3-5 air exchanges/h) or better. |
| Automated continuous closed facility (PROC1, PROC2). | Work in closed facility, without further requirements. |
| Transfer from barrels and containers in automated closed facilities (PROC1, PROC2). | Work in closed facility, without further requirements. |
| Machine cleaning and washing of closed tanks, containers and devices equipped with vapour extraction (PROC3) | Work in closed facility, without further requirements. |
| Mixing, blending, thinning of coating composition in open devices (PROC5) | Indoor: Local exhaust and good basic ventilation (3-5 air exchanges/h) and respiratory protection conforming to the requirements of ČSN EN 140 with A type filter or better. Outdoor: Work for a maximum of 4 h/d, a worker should not be exposed to the product in the rest of the work time. Respiratory protection conforming to the requirements of ČSN EN 140 with A type filter or better. |
| Manual cleaning of surfaces by dipping, submerging and coating (PROC13). | Ensure good basic ventilation (3-5 air exchanges/h) or better. |
| Cleaning with low-pressure cleaning equipment, application with roller or brush, non-spraying (PROC10). | Indoor: Local exhaust and good basic ventilation (3-5 air exchanges/h) and respiratory protection conforming to the requirements of ČSN EN 140 with A type filter or better. |
| High-pressure cleaning, spraying (PROC11). | Indoor: Ensure good basic ventilation (3-5 air exchanges/h) and use respiratory protection conforming to the requirements of ČSN EN 140 with A type filter or better. Outdoor: Use respiratory protection conforming to the requirements of ČSN EN 140 with A type filter or better. |
| One-time manual application using aerosol applicators, dipping, roller, brush (PROC10). | Indoor: Local exhaust and good basic ventilation (3-5 air exchanges/h) together with the use of respiratory protection conforming to the requirements of ČSN EN 140 with A type filter or better. Outdoor: Use respiratory protection conforming to the requirements of ČSN EN 140 with A type filter or better. |
| Manual activities involving hand contact (PROC19) | Indoor: Use protective gloves. Use local exhaust in the places of potential release of emissions. Outdoor: Use protective gloves. |
| Storage | In closed containers, without further requirements. |
| Cleaning and maintenance of facility. | Drain, rinse. |
| Product waste and product-contaminated waste | Wear protective gloves if there is a risk of contact with waste. Dispose of wastes in sealed containers stored in well-ventilated areas or outdoors. Waste to ensure against leakage into water and soil. |
| Specific requirements in terms of environmental protection: | |
| Air protection requirements | When working outside, no other measures to reduce emissions are required. When working inside, reduce product emissions in the air depending on the activity being carried out and on the yearly amount of volatile organic compounds used according to requirements of air protection regulations. |
| Water protection requirements | Water contaminated with the product before release in surface or ground water is to be treated using physical or biological methods to achieve residual level of contamination as specified by water protection regulations. |
| Waste management requirements | As appropriate, waste is to be used, regenerated or disposed of as dangerous waste by incineration. |