

according to Commission Regulation (EU) 2020/878 as amended

**TELHARD POX F**

Creation date	05th August 2016	Version	3.0
Revision date	26th June 2024		

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

- 1.1. Product identifier**  
Substance / mixture TELHARD POX F  
UFI mixture  
0G5W-70V8-P00U-T31A
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
HARDENER FOR EPOXY PAINTS TELPOX.  
**Main intended use**  
PC-PNT-OTH Other paints and coating materials  
**Mixture uses advised against**  
not available
- 1.3. Details of the supplier of the safety data sheet**  
**Manufacturer**  
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 info@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 info@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.

Acute Tox. 4, H302+H332  
Skin Corr. 1B, H314  
Skin Sens. 1, H317  
Eye Dam. 1, H318  
Repr. 2, H361d  
Aquatic Chronic 2, H411

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

Causes serious eye damage. May cause an allergic skin reaction. Causes severe skin burns and eye damage. Suspected of damaging the unborn child. Harmful if swallowed or if inhaled. Toxic to aquatic life with long lasting effects.

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### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazardous substances

reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia  
 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine  
 benzyl alcohol  
 m-Phenylenebis(methylamine)  
 salicylic acid

#### Hazard statements

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H302+H332	Harmful if swallowed or if inhaled.

#### Precautionary statements

P261	Avoid breathing vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a doctor.

#### Supplemental information

EUH071	Corrosive to the respiratory tract.
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### 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).

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Adduct of cycloaliphatic amine and low molecular weight epoxy resin.

**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
CAS: 9046-10-0 Registration number: 01-2119557899-12	reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	30-60	Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 2, H411	
CAS: 38294-64-3 EC: 500-101-4 Registration number: 02-2119668117-34	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	20-50	Skin Corr. 1B, H314 Skin Sens. 1, H317	
Index: 603-057-00-5 CAS: 100-51-6 EC: 202-859-9 Registration number: 01-2119492630-38	benzyl alcohol	5-25	Acute Tox. 4, H302+H332 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Specific concentration limit: ATE Oral = 1200 mg/kg bw	
CAS: 1477-55-0 EC: 216-032-5 Registration number: 01-2119480150-50	m-Phenylenebis(methylamine)	5-15	Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1, H317 Acute Tox. 3, H331 Aquatic Chronic 3, H412 EUH071	
Index: 607-732-00-5 CAS: 69-72-7 EC: 200-712-3 Registration number: 01-2119486984-17	salicylic acid	<10	Acute Tox. 4, H302 Eye Dam. 1, H318 Repr. 2, H361d	

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

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. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Rinse skin with water or shower. Rinse cautiously with water for several minutes.

### 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

DO NOT INDUCE VOMITING - there is danger of further damage to the gastrointestinal tract!!! Danger of esophageal and gastric perforation! RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 2-5 dl of cold water to reduce the heating effect of the corrosive substance. Consuming larger amounts of liquid is not advisable as it may induce vomiting and potential inhaling of the corrosive substances in the lungs. The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. DO NOT PROVIDE ACTIVATED CARBON! Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible.

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

##### If inhaled

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

##### If on skin

Causes severe skin burns. May cause an allergic skin reaction.

##### 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. 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. 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).

Storage class	8B - Non-combustible corrosive substances
Storage temperature	min 5 °C, max 25 °C

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

not available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

##### DNEL

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	0.493 mg/m <sup>3</sup>	Chronic effects systemic		

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### 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	0.007 mg/m <sup>3</sup>	Acute effects systemic		
Consumers	Inhalation	0.074 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Inhalation	0.001 mg/m <sup>3</sup>	Acute effects systemic		
Workers	Dermal	0.14 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	0.05 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	0.05 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	0.99 mg/kg bw/day	Acute effects systemic		

### benzyl alcohol

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	22 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Inhalation	110 mg/m <sup>3</sup>	Acute effects systemic		
Consumers	Inhalation	5.4 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Inhalation	27 mg/m <sup>3</sup>	Acute effects systemic		
Workers	Dermal	8 mg/kg bw/day	Chronic effects systemic		
Workers	Dermal	40 mg/kg bw/day	Acute effects systemic		
Consumers	Dermal	4 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	20 mg/kg bw/day	Acute effects systemic		
Consumers	Oral	4 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	20 mg/kg bw/day	Acute effects systemic		

### m-Phenylenebis(methylamine)

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1.2 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Inhalation	0.2 mg/m <sup>3</sup>	Chronic effects local		
Workers	Dermal	0.33 mg/kg bw/day	Chronic effects systemic		

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salicylic acid					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	5 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Inhalation	5 mg/m <sup>3</sup>	Chronic effects local		
Consumers	Inhalation	4 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Dermal	1 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	1 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	4 mg/kg bw/day	Acute effects systemic		
Workers		2.3 mg/kg bw/day	Chronic effects systemic		

### PNEC

benzyl alcohol			
Route of exposure	Value	Value determination	Source
Freshwater environment	1-1.02 mg/l		
Marine water	100-102 µg/l		
Water (intermittent release)	2.3 mg/l		
Freshwater sediment	5.27 mg/kg of dry substance of sediment		
Sea sediments	0.527 mg/kg of dry substance of sediment		
Soil (agricultural)	0.456 mg/kg of dry substance of soil		
Microorganisms in sewage treatment	39 mg/l		

m-Phenylenebis(methylamine)			
Route of exposure	Value	Value determination	Source
Freshwater environment	94 µg/l		
Marine water	9.4 µg/l		
Water (intermittent release)	152 µg/l		
Freshwater sediment	12.4 mg/kg of dry substance of sediment		
Sea sediments	1.24 mg/kg of dry substance of sediment		
Soil (agricultural)	2.44 mg/kg of dry substance of soil		

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m-Phenylenebis(methylamine)			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	10 mg/l		

salicylic acid			
Route of exposure	Value	Value determination	Source
Freshwater environment	0.2 mg/l		
Marine water	0.02 mg/l		
Water (intermittent release)	1 mg/l		
Freshwater sediment	1.42 mg/kg of dry substance of sediment		
Sea sediments	0.142 mg/kg of dry substance of sediment		
Soil (agricultural)	0.166 mg/kg of dry substance of soil		
Microorganisms in sewage treatment	162 mg/l		

### 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 or face shield (based on the nature of the work performed).

#### 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 – nitrile rubber (0.4 mm), polyvinyl chloride (0.7 mm) 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**

Data not available.

**Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2. 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**

In the Czech Republic: The monitoring procedure for the content of substances in workplace air and the specification of protective equipment is determined by the worker responsible for occupational safety and health protection of workers. Legal and natural persons doing business have the obligation to measure and control the values of concentrations of substances in the atmosphere of workplaces and to classify workplaces according to the categorization of work.

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

Physical state	liquid
Colour	colourless, yellowish
Odour	pungent
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	>200 °C
Flammability	The product is non-flammable.
Lower and upper explosion limit	data not available
Flash point	130 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	11.3 (undiluted)
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	0.95-1.05 g/cm <sup>3</sup> at 23 °C (EN ISO 2811-1)
Relative vapour density	data not available
Particle characteristics	data not available

**9.2. Other information**

Oxidising properties	The product has no oxidizing properties.
Explosive properties	The product does not have explosive properties.
Content of organic solvents (VOC)	0.22 kg/kg
Total organic carbon (TOC)	0.17 kg/kg
Solid content (dry matter)	78 % volume

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

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

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### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Unknown.

### 10.4. Conditions to avoid

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

No toxicological data is available for the mixture.

#### Acute toxicity

Harmful if swallowed or if inhaled.

benzyl alcohol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation (dust/mist)	LC <sub>50</sub>	4.178 mg/l of air	4 hours	Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	2000 mg/kg bw		Rabbit	
Oral	LD <sub>50</sub>	1580 mg/kg bw		Mouse	
Oral	ATE	1200 mg/kg bw			

m-Phenylenebis(methylamine)					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	930 mg/kg bw		Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	3100 mg/kg bw		Rat (Rattus norvegicus)	
Inhalation (dust/mist)	LC <sub>50</sub>	1.34 mg/l	4 hours	Rat (Rattus norvegicus)	

salicylic acid					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	891 mg/kg bw		Rat (Rattus norvegicus)	

#### Skin corrosion/irritation

Causes severe skin burns and eye damage. Data for the components of the mixture are not available.

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### Serious eye damage/irritation

Causes serious eye damage. Causes severe skin burns and eye damage. Data for the components of the mixture are not available.

### Respiratory or skin sensitisation

May cause an allergic skin reaction. Data for the components of the mixture are not available.

### Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Reproductive toxicity

Suspected of damaging the unborn child. Data for the components of the mixture are not available.

### Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

## 11.2. Information on 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.

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

#### Acute toxicity

benzyl alcohol				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	460 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC <sub>50</sub>	230 mg/l	48 hours	Daphnia (Daphnia magna)	

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m-Phenylenebis(methylamine)				
Parameter	Value	Exposure time	Species	Environment
LOEC	15 mg/l		Aquatic invertebrates	
NOEC	4.7 mg/l		Aquatic invertebrates	

### 12.2. Persistence and degradability

Data for the mixture are not available.

#### Biodegradability

reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia				
Parameter	Value	Exposure time	Environment	Result
				Not biodegradable

### 12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

### 12.4. Mobility in soil

No data are available for either the mixture or the components.

### 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

Possible impacts on the waste water treatment plant: the concentration of this substance in the waste water to be treated must be in a controlled mode in accordance with the sewage regulations. The mixture may contaminate soil and water and may damage the fauna and flora. According to the Water Management Act, Act No. 254/2001 Coll., The product is considered a dangerous substance and a dangerous substance according to Annex No. 1 of the Water Management Act. Prevent substance from entering groundwater, soil and sewage system.

## 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

08 04 09\* waste adhesives and sealants containing organic solvents or other hazardous substances

according to Commission Regulation (EU) 2020/878 as amended

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**Packaging waste type code**

 15 01 10\* packaging containing residues of or contaminated by hazardous substances  
 (\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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

UN 2735

**14.2. UN proper shipping name**

AMINES, LIQUID, CORROSIVE, N.O.S. (mixture of polyamines)

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

8 Corrosive substances

**14.4. Packing group**

III

**14.5. Environmental hazards**

The product is dangerous for the environment.

**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.

**80**

UN number

**2735**

Classification code

C7

Safety signs

8+hazardous for the environment



Tunnel restriction code

(E)

**Air transport - ICAO/IATA**

Packaging instructions passenger

852

Cargo packaging instructions

856

**Marine transport - IMDG**

EmS (emergency plan)

F-A, S-B

MFAG

320

according to Commission Regulation (EU) 2020/878 as amended

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### 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 as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

### SECTION 16: Other information

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H302+H332	Harmful if swallowed or if inhaled.

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

P261	Avoid breathing vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a doctor.

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

EUH071	Corrosive to the respiratory tract.
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#### 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
EC	Identification code for each substance listed in EINECS

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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
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
IMO	International Maritime Organization
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 K <sub>ow</sub>	Octanol-water partition coefficient
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
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
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Repr.	Reproductive toxicity
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization

### 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)

according to Commission Regulation (EU) 2020/878 as amended

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The version 3.0 replaces the SDS version from 06 September 2022. Substance update, changes were made in sections 1, 2, 3, 11, 12, 15 and 16.

### 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.