

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

**Revision date:** 5 Jan 2021

**Print date:** 5 Jan 2021

**Version:** 2



## HYDROPOX EP1 HV B-Komponente

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

#### 1.1. Product identifier

**Trade name/designation:**

**HYDROPOX EP1 HV B-Komponente**

**UFI:**

T0QV-UGST-F46Y-2EG3

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

No data available

#### 1.3. Details of the supplier of the safety data sheet

**Supplier (manufacturer/importer/only representative/downstream user/distributor):**

**TPH Bausysteme GmbH**

Nordportbogen 8

22848 Norderstedt

Germany

**Telephone:** +49 40 52 90 66 78-0

**Telefax:** +49 40 52 90 66 78-78

**E-mail:** info@tph-bausysteme.com

**Website:** www.tph-bausysteme.com

**E-mail (competent person):** sdb-info@tph-bausysteme.com

#### 1.4. Emergency telephone number

24h: GIZ-Nord +49 551 / 19240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (oral) ( <i>Acute Tox. 4</i> )	H302: Harmful if swallowed.	Calculation method.
Skin corrosion/irritation ( <i>Skin Corr. 1B</i> )	H314: Causes severe skin burns and eye damage.	Calculation method.
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	Calculation method.
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

#### Additional information:

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

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### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS05**  
Corrosion



**GHS07**  
Exclamation mark

**Signal word:** Danger

**Hazard components for labelling:**

3-aminomethyl-3,5,5-trimethylcyclohexylamine; benzyldimethylamine; benzyl alcohol

#### hazard statements for health hazards

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

#### Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
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#### Supplemental hazard information

EUH208	Contains 3-aminomethyl-3,5,5-trimethylcyclohexylamine. May produce an allergic reaction.
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#### Precautionary statements Prevention

P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

#### Precautionary statements Response

P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor/-/ if you feel unwell.
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 POISON CENTER/doctor/-.
P330	Rinse mouth.

### 2.3. Other hazards

No data available

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## HYDROPOX EP1 HV B-Komponente

### SECTION 3: Composition / information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
<b>CAS No.:</b> 100-51-6 <b>EC No.:</b> 202-859-9 <b>REACH No.:</b> 01-2119492630-38-XXXX	<b>benzyl alcohol</b> Acute Tox. 4 <b>Warning</b> H302-H332	40 - < 60 weight-%
<b>CAS No.:</b> 2855-13-2 <b>EC No.:</b> 220-666-8 <b>REACH No.:</b> 01-2119514687-32-XXXX	<b>3-aminomethyl-3,5,5-trimethylcyclohexylamine</b> Acute Tox. 4, Aquatic Chronic 3, Skin Corr. 1B, Skin Sens. 1 <b>Danger</b> H302-H312-H314-H317-H412	25 - < 50 weight-%
<b>CAS No.:</b> 103-83-3 <b>EC No.:</b> 203-149-1 <b>REACH No.:</b> 01-2119529232-48-XXXX	<b>benzyl dimethylamine</b> Acute Tox. 4, Aquatic Chronic 3, Flam. Liq. 3, Skin Corr. 1B <b>Danger</b> H226-H302-H312-H314-H332-H412	≥ 2.5 - < 5 weight-%

Full text of H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

##### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

##### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Get immediate medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

##### After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

##### Following ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get immediate medical advice/attention.

##### Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Extinguishing powder Water spray jet Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media:**

Full water jet

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

**Hazardous combustion products:**

In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Remove persons to safety.

**Protective equipment:**

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**For containment:**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Water (with cleaning agent)

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Wear personal protection equipment (refer to section 8).

**Advices on general occupational hygiene**

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
CZ	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 8.88 ppm (40 mg/m <sup>3</sup> ) ② 17.76 ppm (80 mg/m <sup>3</sup> )
PL	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 240 mg/m <sup>3</sup>
LT	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 5 mg/m <sup>3</sup> ⑤ (tikėtinas įsisavinimas per odą)
HTP (FI)	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 10 ppm (45 mg/m <sup>3</sup> )
BG	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 5 mg/m <sup>3</sup>
LV	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 5 mg/m <sup>3</sup>
TRGS 900 (DE)	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 5 ppm (22 mg/m <sup>3</sup> ) ② 10 ppm (44 mg/m <sup>3</sup> ) ⑤ (Aerosol und Dampf, kann über die Haut aufgenommen werden)
CH	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 5 ppm (22 mg/m <sup>3</sup> ) ⑤ (kann über die Haut aufgenommen werden)
SI	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	① 5 ppm (22 mg/m <sup>3</sup> ) ② 10 ppm (44 mg/m <sup>3</sup> ) ⑤ (računati je treba z možnostjo prodiranja skozi kožo)
JP	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	③ 25 mg/m <sup>3</sup>
RU	benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	③ 5 mg/m <sup>3</sup>
BG	benzyl dimethylamine CAS No.: 103-83-3 EC No.: 203-149-1	① 5 mg/m <sup>3</sup>
RO	benzyl dimethylamine CAS No.: 103-83-3 EC No.: 203-149-1	① 0.9 ppm (5 mg/m <sup>3</sup> ) ② 1.8 ppm (10 mg/m <sup>3</sup> )

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Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
LV	benzyltrimethylamine CAS No.: 103-83-3 EC No.: 203-149-1	① 5 mg/m <sup>3</sup>
RU	benzyltrimethylamine CAS No.: 103-83-3 EC No.: 203-149-1	③ 5 mg/m <sup>3</sup>
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m <sup>3</sup> ⑤ Mass fraction (wt %): 0

### 8.1.2. Biological limit values

No data available

### 8.1.3. DNEL-/PNEC-values

No data available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Eye glasses with side protection DIN EN 166

##### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min  
In the case of wanting to use the gloves again, clean them before taking off and air them well.  
Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

Filtering device with filter or ventilator filtering device of type: A A

#### 8.2.3. Environmental exposure controls

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Liquid

Colour: light yellow

Odour: not determined

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	10	20 °C		20g/l
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	> 200 °C			
Decomposition temperature	not determined			
Flash point	101 °C			
Evaporation rate	not determined			
Auto-ignition temperature	not determined			
Upper/lower flammability or explosive limits	not determined			

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parameter		at °C	Method	Remark
Vapour pressure	0.3 hPa	20 °C		
Vapour density	<i>not determined</i>			
Density	0.99 g/cm <sup>3</sup>	23 °C	EN ISO 2811-1	
Bulk density	<i>not determined</i>			
Water solubility	partially miscible			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	≈ 20 – 40 mPa*s		DIN EN ISO 2555	
Kinematic viscosity	<i>not determined</i>			

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Acids

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Substance name	Toxicological information
benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	<b>LD<sub>50</sub> oral:</b> 1,620 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> 2,000 mg/kg (Rabbit)
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS No.: 2855-13-2 EC No.: 220-666-8	<b>LD<sub>50</sub> oral:</b> 1,030 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rabbit)
benzyl dimethylamine CAS No.: 103-83-3 EC No.: 203-149-1	<b>LD<sub>50</sub> oral:</b> 579 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> 1,477 mg/kg (Rabbit)

### Acute oral toxicity:

Harmful if swallowed.

### Acute dermal toxicity:

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

### Acute inhalation toxicity:

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

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### Skin corrosion/irritation:

Causes severe skin burns and eye damage.

### Serious eye damage/irritation:

Causes serious eye damage.

### Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains 3-aminomethyl-3,5,5-trimethylcyclohexylamine.

May produce an allergic reaction.

### 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.

### STOT-single exposure:

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

### STOT-repeated exposure:

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

### Aspiration hazard:

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

### Additional information:

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance name	Toxicological information
benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	<b>LC<sub>50</sub></b> : 460 mg/l 4 d (Pimephales promelas (fathead min now)) <b>EC<sub>50</sub></b> : 230 mg/l 2 d (Daphnia magna (Big water flea)) <b>EC<sub>50</sub></b> : 770 mg/l 3 d (Algae/water plant)
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS No.: 2855-13-2 EC No.: 220-666-8	<b>LC<sub>50</sub></b> : 110 mg/l 4 d (Leuciscus idus (golden orfe)) <b>EC<sub>50</sub></b> : 23 mg/l 2 d (Daphnia magna (Big water flea))
benzyl dimethylamine CAS No.: 103-83-3 EC No.: 203-149-1	<b>LC<sub>50</sub></b> : 37.8 mg/l 4 d (fish) <b>ErC<sub>50</sub></b> : 1.34 mg/l 3 d (Desmodemus subspicatus)

### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
benzyl alcohol CAS No.: 100-51-6 EC No.: 202-859-9	—
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS No.: 2855-13-2	—



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## HYDROPOX EP1 HV B-Komponente

Substance name	Results of PBT and vPvB assessment
EC No.: 220-666-8	
benzyltrimethylamine	—
CAS No.: 103-83-3	
EC No.: 203-149-1	

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product:

08 01 11 \* Waste paint and varnish containing organic solvents or other dangerous substances





\*: Evidence for disposal must be provided.

#### Waste treatment options

#### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA- DGR)
<b>14.1. UN-No.</b>			
UN 2735	UN 2735	UN 2735	UN 2735
<b>14.2. UN proper shipping name</b>			
AMINES, LIQUID, CORROSIVE, N.O.S. (3- aminomethyl-3,5,5-tri- methylcyclohexylam- ine, benzyltrimethyla- mine)	AMINES, LIQUID, CORROSIVE, N.O.S. (3- aminomethyl-3,5,5-tri- methylcyclohexylam- ine, benzyltrimethyla- mine)	AMINES, LIQUID, CORROSIVE, N.O.S. (3- aminomethyl-3,5,5-tri- methylcyclohexylam- ine, benzyltrimethyla- mine)	AMINES, LIQUID, CORROSIVE, N.O.S. (3- aminomethyl-3,5,5-tri- methylcyclohexylam- ine, benzyltrimethyla- mine)
<b>14.3. Transport hazard class(es)</b>			
 8	 8	 8	 8
<b>14.4. Packing group</b>			
III	III	III	III
<b>14.5. Environmental hazards</b>			
No	No	No	No

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA- DGR)
<b>14.6. Special precautions for user</b>			
<b>Special provisions:</b> 274 <b>Limited quantity (LQ):</b> 5 L <b>Excepted Quantities (EQ):</b> E1 <b>Hazard identification number (Kemler No.):</b> 80 <b>Classification code:</b> C7 <b>tunnel restriction code:</b> (E) <b>Remark:</b>	<b>Special provisions:</b> 274 <b>Limited quantity (LQ):</b> 5 L <b>Excepted Quantities (EQ):</b> E1 <b>Classification code:</b> C7 <b>Remark:</b>	<b>Special provisions:</b> 223   274 <b>Limited quantity (LQ):</b> 5 L <b>Excepted Quantities (EQ):</b> E1 <b>EmS-No.:</b> F-A, S-B <b>Remark:</b>	<b>Special provisions:</b> A3 <b>Limited quantity (LQ):</b> Y841 <b>Excepted Quantities (EQ):</b> E1 <b>Remark:</b>

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU legislation

No data available

#### 15.1.2. National regulations

##### [DE] National regulations

#### Water hazard class

##### WGK:

1 - schwach wassergefährdend

#### Other regulations, restrictions and prohibition regulations

MAL-kode (Denmark): 00-5

MAL-kode (Denmark): 00-5 (Ready-for-use mixture)

ZH 1/129 "Merkblatt: Reizende Stoffe/Ätzende Stoffe (M 004)"

ZH 1/301 "Merkblatt: Polyester- und Epoxid-Harze (M 023)"

##### [DK] National regulations

#### Other regulations, restrictions and prohibition regulations

MAL-kode (Denmark): 00-5

MAL-kode (Denmark): 00-5 (Ready-for-use mixture)

### 15.2. Chemical Safety Assessment

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

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## HYDROPOX EP1 HV B-Komponente

### 16.2. Abbreviations and acronyms

No data available

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Acute toxicity (oral) ( <i>Acute Tox. 4</i> )	H302: Harmful if swallowed.	Calculation method.
Skin corrosion/irritation ( <i>Skin Corr. 1B</i> )	H314: Causes severe skin burns and eye damage.	Calculation method.
Respiratory or skin sensitisation ( <i>Skin Sens. 1</i> )	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	Calculation method.
Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> )	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available