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**! SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**
**Name of product**

HYDROPOX FLEX F-TX B-Komponente

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

No information available.

**1.3. Details of the supplier of the safety data sheet**
**Manufacturer/distributor**

TPH Bausysteme GmbH

Nordportbogen 8, D-22848 Norderstedt

 Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66  
 78-78

 E-Mail [info@tph-bausysteme.com](mailto:info@tph-bausysteme.com)

 Internet [www.tph-bausysteme.com](http://www.tph-bausysteme.com)
**Advice**

E-mail (competent person):

[sdb-info@tph-bausysteme.com](mailto:sdb-info@tph-bausysteme.com)
**1.4. Emergency telephone number**
**Emergency advice**

GIZ-Nord

Phone +49 (0)551 / 19240

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**SECTION 2: Hazards identification**
**2.1. Classification of the substance or mixture**
**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Acute Tox. 4	H302	
Acute Tox. 4	H312	
Skin Corr. 1B	H314	
Skin Corr. 1C	H314	
Skin Sens. 1	H317	
Aquatic Chronic 3	H412	

**Hazard statements for health hazards**

H302 + H312 Harmful if swallowed or in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

**Hazard statements for environmental hazards**

H412 Harmful to aquatic life with long lasting effects.

**Additional hints**

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

**2.2. Label elements**

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

**Signal word**

Danger

**Hazard statements for health hazards**

H302 + H312 Harmful if swallowed or in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.

**Hazard statements for environmental hazards**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**
**Prevention**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P301 + P330 + IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P331  
 P302 + P352 IF ON SKIN: Wash with plenty of water/.... .  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305 + P351 + IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P338  
 P312 Call a POISON CENTER/doctor/... if you feel unwell.

**Hazardous ingredients for labeling**

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

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/ information on ingredients**
**3.1. Substances**

not applicable

**3.2. Mixtures**
**Description**

Hardener

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
100-51-6	202-859-9	benzyl-alcohol	25 - 50	Acute Tox. 4, H332 / Acute Tox. 4, H302
2855-13-2	220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine	25 - 50	Acute Tox. 4, H312 / Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Skin Sens. 1, H317 / Aquatic Chronic 3, H412

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

If threatening unconsciousness, position and transport in recovery position

Symptoms of poisoning may not occur for many hours, therefore keep under medical supervision for at least 48 hours.

#### In case of inhalation

Ensure of fresh air.

Refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Call for a doctor immediately.

Rinse out mouth and give plenty of water to drink.

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

No information available.

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

#### Treatment (Advice to doctor)

Treat symptoms.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Dry powder

Carbon dioxide

Water spray jet

#### Unsuitable extinguishing media

Full water jet

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

No information available.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

#### Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

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## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Keep people away and stay on the upwind side.

Use personal protective clothing.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

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

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

#### Additional Information

Informations for disposal see chapter 13.

### 6.4. Reference to other sections

No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

#### General protective measures

Avoid contact with eyes and skin

#### Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Keep separated from food and feed.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

No special measures necessary.

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

#### Requirements for storage rooms and vessels

Provide floor with bunding.

Keep only in original container.

#### Advice on storage compatibility

no

#### Further information on storage conditions

Store closed container at cool and aired place.

### 7.3. Specific end use(s)

No information available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No information available.

### 8.2. Exposure controls

#### Respiratory protection

Short-term: filter apparatus, filter AX, otherwise environment-independent breathing apparatus.

#### Hand protection

Synthetic rubber gloves

PVC gloves

#### Eye protection

tightly fitting goggles

#### Other protection measures

protective clothing

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## SECTION 9: Physical and chemical properties

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

Appearance	Colour	Odour
liquid	light yellow	similar to amine

#### Odour threshold

not determined

### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	10	20 °C	20 g/l		
<b>Acid number</b>	not determined				
<b>boiling range</b>	> 200 °C				
<b>stock point</b>	-35 °C				
<b>Flash point</b>	101 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	380 °C				
<b>Self ignition temperature</b>	no				
<b>Lower explosion limit</b>	1,2 Vol-%				
<b>Upper explosion limit</b>	13 Vol-%				

	Value	Temperature	at	Method	Remark
<b>Vapour pressure</b>	0,3 hPa	20 °C			
<b>Relative density</b>	0,99 g/cm <sup>3</sup>	20 °C			
<b>Bulk density</b>	not applicable				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					partially miscible
<b>Solubility/other</b>					soluble in most organic solvents
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	15 - 25 mPa*s	25 °C		Brookfield-Visk.	
<b>Solvent separation test</b>	not determined				
<b>Solvent content</b>	0 %				
<b>Water content</b>	not determined				
<b>Solids content</b>	not applicable				
<b>Combustion value</b>	not applicable				
<b>Oxidising properties</b>					
no					
<b>Explosive properties</b>					
no					
<b>9.2. Other information</b>					
Product smells offensive.					

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

**10.4. Conditions to avoid**

None, if handled according to order.

**10.5. Incompatible materials**
**Substances to avoid**

Reactions with acids.

**10.6. Hazardous decomposition products**

No dangerous composition products during appropriate storage and handling.

**Thermal decomposition**

Remark No decomposition if used as directed.

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**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	1230 mg/kg	rat		
<b>LD50 acute dermal</b>	2000 mg/kg	rabbit		
<b>LC50 acute inhalation</b>	not determined			
<b>Skin irritation</b>	corrosive			
<b>Eye irritation</b>	corrosive			
<b>Skin sensitization</b>	sensitizing			
<b>Sensitization respiratory system</b>	sensitizing			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>	not determined			
<b>Subchronic Toxicity</b>	not determined			
<b>Chronic Toxicity</b>	not determined			
<b>Mutagenicity</b>	not determined			

	Value	Species	Method	Validation
<b>Reproduction-Toxicity</b>	not determined			
<b>Carcinogenicity</b>	not determined			
<b>Toxicity test (Additional information)</b>	no			
<b>Experiences made from practice</b>	Frequent persistent contact with the skin may cause skin irritation.			
<b>Additional information</b>	Toxical dates refer to solvent.			

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 646 mg/l (48 h)	Leuciscus idus		
<b>Daphnia</b>	EC50 400 mg/l (96 h)	Daphnia magna		
<b>Algae</b>	EC50 640 mg/l (96 h)	Scenedesmus subspicatus		
<b>Bacteria</b>	not determined			

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	not determined			
<b>Biological degradability</b>	not determined			
<b>Degradability</b>	not determined			
<b>Biological eliminability</b>	not determined			
<b>Degradability according to WRMG</b>	not determined			

### 12.3. Bioaccumulative potential

No specific test data available. No indications of critical characteristics.

### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

No information available.

#### 12.6. Other adverse effects

##### Behaviour in sewage plant

not determined

#### Respiration inhibition of activated sludge

	Value	Method	Remark
<b>EC 50</b>	not determined		

#### Additional ecological information

	Value	Method	Remark
<b>OC</b>	not determined		
<b>COD</b>	not determined		
<b>BOD</b>	not determined		
<b>AOX</b>	not applicable		

#### Contains following heavy metals and compounds of the 76/464/EWG

no

#### General regulation

Because of damage to water organism do not fill in presurge.

Toxic to fishes.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

The information to ecology refers to solvent.

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## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Waste code No.

08 01 11\*

##### Name of waste

waste paint and varnish containing organic solvents or other hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

#### Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

#### Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

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**SECTION 14: Transport information**

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	2735	2735	2735
<b>14.2. UN proper shipping name</b>	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)	Polyamines, liquid, corrosive, n.o.s. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
<b>14.3. Transport hazard class(es)</b>	8	8	8
<b>14.4. Packing group</b>	III	III	III
<b>14.5. Environmental hazards</b>	No	No	No

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available.

**Land and inland navigation transport ADR/RID**

Hazard label(s) 8

tunnel restriction code E

Classification code C7

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

**Water hazard class** 1 self-classification

**15.2. Chemical Safety Assessment**

No information available.

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**SECTION 16: Other information**
**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.1

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.