

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

1.1. Product identifier

Name of product HYDROPOX FLEX F A-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
Internet www.tph-bausysteme.com

Advice

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

1.4. Emergency telephone number

Emergency advice GIZ-Nord
Phone +49 (0)551 / 19240

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
Skin Irrit. 2	H315	
Eye Irrit. 2	H319	
Skin Sens. 1	H317	

Hazard statements for health hazards

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Additional hints

The preparation is classified as hazardous according Directive 1999/45/EC.

2.2. Label elements

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



GHS07

Signal word
Warning

Hazard statements for health hazards

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary Statements

Prevention

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

Response

P302 + P352 IF ON SKIN: Wash with plenty of water/soap.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal

P501 Dispose of contents/container to local waste disposal company.

Hazardous ingredients for labeling

1,6-bis(2,3-epoxypropoxy)hexane, Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6-hexanedylbis(oxyethylene)]bis[oxirane], reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)

Special rules for supplemental label elements for certain mixtures

Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
25068-38-6	500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	< 10	Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411
16096-31-4	240-260-4	1,6-bis(2,3-epoxypropoxy)hexane	< 5	Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Eye Irrit. 2, H319 / Aquatic Chronic 3, H412
356761-34-7		Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6-hexanedylbis(oxyethylene)]bis[oxirane]	< 10	Skin Irrit. 2, H315 / Skin Sens.1, H317 / Eye Irrit. 2, H319 / Aquatic Chronic 3, H412

REACH

CAS No	Name	REACH registration number
16096-31-4	1,6-bis(2,3-epoxypropoxy)hexane	01-2119463471-41-005

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.
Take affected person into fresh air.

In case of inhalation

Ensure of fresh air.
In the event of symptoms 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

Do not induce vomiting.
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

No information available.

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

In the event of fire the following can be released:
Carbon monoxide (CO)
Under certain fire conditions traces of other toxic substances cannot be excluded.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

no

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

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.

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 away from food and drink.

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

Keep only in unopened original container.

Advice on storage compatibility

no

Further information on storage conditions

Protect from heat and direct solar radiation.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No information available.

8.2. Exposure controls

Respiratory protection

If ventilation insufficient, wear respiratory protection.

Short term: filter apparatus, filter A

Hand protection

Synthetic rubber gloves

Eye protection

tightly fitting goggles

Other protection measures

protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

pasty

Colour

grey

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				
Acid number	not applicable				
boiling range	not determined				
melting range	not determined				
Flash point	not determined				
Vapourisation rate	No data available				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	> 290 °C				
Self ignition temperature	no				
Lower explosion limit	not applicable				
Upper explosion limit	not applicable				

	Value	Temperature	at	Method	Remark
Vapour pressure	No data available				
Relative density	ca. 1,6 g/cm ³	23 °C		DIN EN 1015-6	
Vapour density	No data available				
Solubility in water					insoluble
Solubility/other				No data available	
Partition coefficient n-octanol/water (log P O/W)	No data available				
Decomposition temperature	not determined				
Viscosity dynamic	not determined			DIN EN ISO 2555	
Solvent separation test	No data available				
Solvent content	no				
Water content	not determined				
Solids content	not determined				
Combustion value	No data available				
Oxidising properties	no				
Explosive properties	no				
9.2. Other information	no				

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

Substances to avoid

No hazardous reactions known.

10.6. Hazardous decomposition products

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 10000 mg/kg	rat		
LD50 acute dermal	No data available			
LC50 acute inhalation	No data available			
Skin irritation	irritant			
Eye irritation	irritant			
Skin sensitization	sensitizing			
Sensitization respiratory system		No information available.		

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity	No data available			
Subchronic Toxicity	No data available			
Chronic Toxicity	No data available			
Mutagenicity	No data available			

	Value	Species	Method	Validation
Reproduction-Toxicity	No data available			
Carcinogenicity	No data available			
Specific target organ toxicity (single exposure)	No data available			
Specific target organ toxicity (repeated exposure)	No data available			
Aspiration hazard	No data available			
Toxicity test (Additional information)	No data available			
Experiences made from practice	Allergic reactions possible (analogy-reasons). Frequent persistent contact with the skin may cause skin irritation. Irritates mucous membranes.			
Additional information	Toxical dates refer to base substance. The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).			

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 3,6 mg/l (96 h)	Leuciscus idus		
Daphnia	EC50 2,8 mg/l (48 h)	Daphnia magna		
Algae	EC50 220 mg/l (96 h)	Scenedesmus subspicatus		
Bacteria	No data available			

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	No data available			
Biological degradability				Slightly biodegradable
Degradability	No data available			
Biological eliminability	No data available			

	Elimination rate	Method of analysis	Method	Validation
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Degradability according to WRMG
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
No information available.

12.6. Other adverse effects
No data available

Behaviour in sewage plant
No data available

Respiration inhibition of activated sludge

	Value	Method	Remark
EC 50	No data available		

Additional ecological information

	Value	Method	Remark
OC	No data available		
COD	No data available		
BOD	No data available		
AOX	No information available.		

Contains following heavy metals and compounds of the 76/464/EWG
no

General regulation

Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into aquatic environment.
The information to ecology refers to active substance.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
08 01 11*	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.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

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

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No dangerous goods as defined by these transport regulations.

Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

National regulations

Water hazard class 2 Mixture-WGK

15.2. Chemical Safety Assessment

No information available.

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: 1.5

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.