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

1.1. Product identifier

Name of product HYDROPOX SF 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

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]

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

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Disposal

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

Hazardous ingredients for labeling
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs., Epoxy resin bisphenol F (epichlorhydrin), 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
Description
resin mixture

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**
68609-97-2	**271-846-8**	**Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**	**< 5**	**Skin Irrit. 2, H315 / Skin Sens. 1, H317**
28064-14-4		**Epoxy resin bisphenol F (epichlorhydrin)**	**< 5**	**Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411**

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	Colour	Odour
pasty	grey	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	> 999 °C				
melting range	not determined				
Flash point	> 158 °C				
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/cm3	23 °C		DIN EN 1015-6	
Bulk density	No data available				
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	No information available.				
Viscosity dynamic	not applicable			DIN EN ISO 2555	
Solvent separation test	No data available				
Solvent content	0 %				
Water content	not determined				
Solids content	No data available				
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 data available		

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity	No information available.			
Subchronic Toxicity	No information available.			

	Value	Species	Method	Validation
Chronic Toxicity	No information available.			
Mutagenicity	No information available.			
Reproduction-Toxicity	No information available.			
Carcinogenicity	No information available.			

Specific target organ toxicity (single exposure)
No information available.

Specific target organ toxicity (repeated exposure)
No information available.

Aspiration hazard
No information 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.

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

	Elimination rate	Method of analysis	Method	Validation
Degradability	No data available			
Biological eliminability	No data available			
Degradability according to WRMG	No data available			

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
No information 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 sluge

	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 data 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 fot 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.