

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX FLEX BB A-Komponente

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

1.1. Product identifier

Trade name/designation:

HYDROPOX FLEX BB A-Komponente

UFI:

X8VH-NJHN-CR2H-JE37

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
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	
Hazardous to the aquatic environment (Aquatic Chronic 2)	H411: Toxic to aquatic life with long lasting effects.	

Additional information:

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

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waterproofing systems

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2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark



GHS09

Environment

Signal word: Warning

Hazard components for labelling:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediylbis(oxymethylene)]bis[oxirane]; bis-[4-(2,3-epoxypropoxy)phenyl]propane ; 1,6-bis(2,3-epoxypropoxy)hexane; Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

hazard statements for health hazards

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

Hazard statements for environmental hazards

H411	Toxic to aquatic life with long lasting effects.
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Supplemental hazard information

EUH208	Contains Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediylbis(oxymethylene)]bis[oxirane], Oxirane, mono[(C12-14-alkyloxy)methyl] derivs., 1,6-bis(2,3-epoxypropoxy)hexane, bis-[4-(2,3-epoxypropoxy)phenyl]propane . May produce an allergic reaction.
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Precautionary statements Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

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.

Precautionary statements Disposal

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
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2.3. Other hazards

No data available

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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]	Concen- tration
CAS No.: 356761-34-7 EC No.: 609-160-1	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediylbis(oxymethylene)]bis[oxirane] Aquatic Chronic 3, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 ⚠ Warning H315-H317-H319-H412	25 - 50 weight-%
CAS No.: 1675-54-3 EC No.: 216-823-5	bis-[4-(2,3-epoxypropoxy)phenyl]propane Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 ⚠ Warning H315-H317-H319	25 - 50 weight-%
CAS No.: 16096-31-4 EC No.: 240-260-4 REACH No.: 01-2119463471-41-XXXX	1,6-bis(2,3-epoxypropoxy)hexane Aquatic Chronic 3, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 ⚠ Warning H315-H317-H319-H412	< 25 weight-%
CAS No.: 68609-97-2 EC No.: 271-846-8 REACH No.: 01-2119485289-22-0007	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. Skin Irrit. 2, Skin Sens. 1 ⚠ Warning H315-H317	< 10 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.

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. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment.

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:

alcohol resistant foam Carbon dioxide (CO2) Extinguishing powder Water spray jet

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 Carbon monoxide

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).

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
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m ³ 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

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	not determined			
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	> 200 °C			
Decomposition temperature	not determined			

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parameter		at °C	Method	Remark
Flash point	> 150 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	≈ 1.11 g/cm³	23 °C		
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	≈ 1,100			
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

No data available

10.5. Incompatible materials

Oxidising agent, strong Alcohols Alkali (lye) Amines

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance name	Toxicological information
bis-[4-(2,3-epoxypropoxy)phenyl]propane CAS No.: 1675-54-3 EC No.: 216-823-5	LD₅₀ oral: 15,000 mg/kg (Rat) LD₅₀ dermal: 23,000 mg/kg (Rabbit)
1,6-bis(2,3-epoxypropoxy)hexane CAS No.: 16096-31-4 EC No.: 240-260-4	LD₅₀ oral: 8,500 mg/kg (Rat) LD₅₀ dermal: >4,900 mg/kg (Rabbit)
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS No.: 68609-97-2 EC No.: 271-846-8	LD₅₀ oral: 26,000 mg/kg (Rat)

Acute oral toxicity:

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

Acute dermal toxicity:

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

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Acute inhalation toxicity:

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

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediylbis(oxymethylene)]bis[oxirane], Oxirane, mono[(C12-14-alkyloxy)methyl] derivs., 1,6-bis(2,3-epoxypropoxy)hexane, bis-[4-(2,3-epoxypropoxy)phenyl]propane . 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
bis-[4-(2,3-epoxypropoxy)phenyl]propane CAS No.: 1675-54-3 EC No.: 216-823-5	LC₅₀: 2 mg/l 4 d (fish, <i>Oncorhynchus mykiss</i> (Rainbow trout)) EC₅₀: 11 mg/l 3 d (Algae/water plant, <i>Selenastrum capricornutum</i>) EC₅₀: 1.8 mg/l 2 d (Daphnia magna (Big water flea))
1,6-bis(2,3-epoxypropoxy)hexane CAS No.: 16096-31-4 EC No.: 240-260-4	LC₅₀: 30 mg/l 4 d (fish, <i>Oncorhynchus mykiss</i> (Rainbow trout)) LC₅₀: 23.1 mg/l 2 d (Algae/water plant) EC₅₀: 67 mg/l 2 d (Daphnia magna (Big water flea))
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS No.: 68609-97-2 EC No.: 271-846-8	LC₅₀: >5,000 mg/l 4 d (fish, <i>Oncorhynchus mykiss</i> (Rainbow trout)) LC₅₀: 1,800 mg/l 4 d (fish, <i>Lepomis macrochirus</i> (Bluegill)) ErC₅₀: 843 mg/l 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i>) *EbC50 NOEC: 500 mg/l 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i>)

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

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12.2. Persistence and degradability

Substance name	Biodegradation	Remark
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS No.: 68609-97-2 EC No.: 271-846-8	Yes, rapidly	

12.3. Bioaccumulative potential

Substance name	Log Kow	Bioconcentration factor (BCF)
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS No.: 68609-97-2 EC No.: 271-846-8	3.77	160 Species: fish

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediylbis(oxymethylene)]bis[oxirane] CAS No.: 356761-34-7 EC No.: 609-160-1	—
bis-[4-(2,3-epoxypropoxy)phenyl]propane CAS No.: 1675-54-3 EC No.: 216-823-5	—
1,6-bis(2,3-epoxypropoxy)hexane CAS No.: 16096-31-4 EC No.: 240-260-4	—
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS No.: 68609-97-2 EC No.: 271-846-8	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

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
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*: 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)
14.1. UN-No.			
UN 3082	UN 3082	UN 3082	UN 3082

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA- DGR)
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14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)			
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14.3. Transport hazard class(es)



9



9



9



9

14.4. Packing group

III	III	III	III
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14.5. Environmental hazards



MARINE POLLUTANT

14.6. Special precautions for user

Special provisions:
274 | 335 | 375 | 601

Limited quantity
(LQ): 5 L

Excepted Quantities (EQ): E1

Hazard identification number (Kemler No.): 90

Classification code: M6

tunnel restriction code: (-)

Remark:

Special provisions:
274 | 335 | 375 | 601

Limited quantity
(LQ): 5 L

Excepted Quantities (EQ): E1

Classification code: M6

Remark:

Special provisions:
274 | 335 | 969

Limited quantity
(LQ): 5 L

Excepted Quantities (EQ): E1

EmS-No.: F-A, S-F

Remark:

Special provisions:
A97 | A158 | A197

Limited quantity
(LQ): Y964

Excepted Quantities (EQ): E1

Remark:

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

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15.1.2. National regulations

[DE] National regulations

Water hazard class

WGK:

2 - deutlich wassergefährdend

Other regulations, restrictions and prohibition regulations

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

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

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

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
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	
Hazardous to the aquatic environment (Aquatic Chronic 2)	H411: Toxic to aquatic life with long lasting effects.	

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

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

16.6. Training advice

No data available

16.7. Additional information

No data available