

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

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

1.1. Product identifier

Trade name/designation:

HYDROPOX EP1 FAST A-Komponente

UFI:

1SJU-5X3K-ECQ0-HREA

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 (<i>Skin Irrit. 2</i>) | H315: Causes skin irritation. | |
| Respiratory or skin sensitisation (<i>Skin Sens. 1</i>) | H317: May cause an allergic skin reaction. | |
| Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>) | H319: Causes serious eye irritation. | |
| Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>) | 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].

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

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:

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane; Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol; 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. |
|------|--|

Supplemental hazard information

| | |
|--------|---|
| EUH208 | Contains Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane, Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.. May produce an allergic reaction. |
|--------|---|

Precautionary statements Prevention

| | |
|------|--|
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

Precautionary statements Response

| | |
|--------------------|--|
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| 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. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |

2.3. Other hazards

No data available

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-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 |
|---|--|-------------------|
| CAS No.: 1675-54-3 EC No.: 216-823-5 REACH No.: 01-2119456619-26-XXXX | 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 Warning H315-H317-H319 | 50 – 100 weight-% |
| CAS No.: 9003-36-5 EC No.: 500-006-8 REACH No.: 01-2119456619-26-XXXX | Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol Aquatic Chronic 2, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 Warning H315-H317-H319-H411 | 25 – 50 weight-% |
| CAS No.: 68609-97-2 EC No.: 271-846-8 REACH No.: 01-2119485289-22-XXXX | Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. Skin Irrit. 2, Skin Sens. 1 Warning H315-H317 | 10 – 25 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 drunk 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing powder Foam alcohol resistant foam Water spray jet

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

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).

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.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Storage class: 10 - Combustible liquids that cannot be assigned to any of the above storage classes

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

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 | | | |
| Flash point | > 100 °C | | | |
| Evaporation rate | not determined | | | |
| Auto-ignition temperature | not determined | | | |

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

| parameter | | at °C | Method | Remark |
|--|--------------------------|-------|-----------------|--------|
| Upper/lower flammability or explosive limits | not determined | | | |
| Vapour pressure | not determined | 20 °C | | |
| Vapour density | not determined | | | |
| Density | ≈ 1.13 g/cm ³ | 23 °C | EN ISO 2811-1 | |
| Bulk density | not determined | | | |
| Water solubility | not determined | | | |
| Partition coefficient: n-octanol/ water | not determined | | | |
| Dynamic viscosity | 735 - 1,100 mPa*s | 23 °C | DIN EN ISO 2555 | |
| Kinematic viscosity | not determined | | | |

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

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Substance name | Toxicological information |
|---|---|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane CAS No.: 1675-54-3 EC No.: 216-823-5 | LD₅₀ oral: 15,000 mg/kg (Rat) LD₅₀ dermal: 23,000 mg/kg (Rabbit) |
| Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol CAS No.: 9003-36-5 EC No.: 500-006-8 | LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rat) |
| Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS No.: 68609-97-2 EC No.: 271-846-8 | LD₅₀ oral: >5,000 mg/kg (Rat) LD₅₀ dermal: >4,500 mg/kg (Rabbit) |

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.

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

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 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane, Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.. 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 |
|---|---|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane CAS No.: 1675-54-3 EC No.: 216-823-5 | LC₅₀ : 100 mg/l (Pseudomonas putida) EC₅₀ : 1.8 mg/l 2 d (Daphnia magna (Big water flea)) EC₅₀ : 11 mg/l 3 d (Algae/water plant, Selenastrum capricornutum) LC₅₀ : 2 mg/l 4 d (fish) |
| Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol CAS No.: 9003-36-5 EC No.: 500-006-8 | LC₅₀ : 1.8 mg/l 3 d (Selenastrum capricornutum) EC₅₀ : 2.54 mg/l 4 d (fish, Leuciscus idus (golden orfe)) |
| Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS No.: 68609-97-2 EC No.: 271-846-8 | EC₅₀ : >100 mg/l (Activated sludge) EC₅₀ : >7.2 mg/l 2 d (Daphnia magna (Big water flea)) EC₅₀ : 844 mg/l 3 d (Algae/water plant) LC₅₀ : >5,000 mg/l 4 d |

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

| Substance name | Results of PBT and vPvB assessment |
|---|------------------------------------|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane CAS No.: 1675-54-3 EC No.: 216-823-5 | — |
| Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol CAS No.: 9003-36-5 EC No.: 500-006-8 | — |
| Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. CAS No.: 68609-97-2 EC No.: 271-846-8 | — |

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 |
| 08 02 99 | Wastes not otherwise specified |

*: 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 |
| 14.2. UN proper shipping name | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Formaldehyde, oligomeric reaction products with 1-chloro-2,3- epoxypropane and phenol) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Formaldehyde, oligomeric reaction products with 1-chloro-2,3- epoxypropane and phenol) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Formaldehyde, oligomeric reaction products with 1-chloro-2,3- epoxypropane and phenol) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Formaldehyde, oligomeric reaction products with 1-chloro-2,3- epoxypropane and phenol) |

SAFETY DATA SHEET

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









Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA- DGR) |
|--|---|---|--|
| 14.3. Transport hazard class(es) | | | |
|  9 |  9 |  9 |  9 |
| 14.4. Packing group | | | |
| III | III | III | III |
| 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

15.1.2. National regulations

 **[DE] National regulations**

Water hazard class

WGK:

2 - deutlich wassergefährdend

SAFETY DATA SHEET

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

Revision date: 6 Jan 2021

Print date: 6 Jan 2021

Version: 2



HYDROPOX EP1 FAST A-Komponente

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

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

16.6. Training advice

No data available

16.7. Additional information

No data available