

SAFETY DATA SHEET

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

Revision date: 17 Dec 2020

Print date: 18 Dec 2020

Version: 1



HYDROPOX G A-Komponente

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

1.1. Product identifier

Trade name/designation:

HYDROPOX G A-Komponente

UFI:

1GQE-MX4W-9K1E-1HPJ

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.	Calculation method.
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation method.

Additional information:

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

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

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Hazard components for labelling:

Quartz (SiO₂); 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.

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.
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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.
P337 + P313	If eye irritation persists: 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

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	5 - 10 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	< 5 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	< 5 weight-%
CAS No.: 14808-60-7 EC No.: 238-878-4	Quartz (SiO ₂) STOT RE 1 Danger H372	< 2.5 weight-%

Full text of H- and EUH-phrases: see section 16.

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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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

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.

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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).

Fire prevent measures:

No special measures are necessary.

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.

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
CH	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.15 mg/m ³ ⑤ (alveolengängige Fraktion)
BE	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (fraction respirable)
NO	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.3 mg/m ³ ⑤ (inhalierbar fraksjon, Kreftframkallende)
NO	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (alveolar fraksjon, Kreftframkallende)

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IE	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³
HTP (FI)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.05 mg/m ³ ⑤ (respirabel fraktion)
LT	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ Žiureti 1 priedo 3 punkta.
SE	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (respirabel fraktion)
PL	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (frakcja mogąca wnikać do dróg oddechowych)
HR	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³
DK	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.3 mg/m ³ ② 0.6 mg/m ³ ⑤ (inhalerbar fraktion)
DK	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ② 0.2 mg/m ³ ⑤ (alveol fraktion)
EE	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³
Alberta (CA)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.025 mg/m ³
ES	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.05 mg/m ³ ⑤ (fracción respirable)
BC (CA)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.025 mg/m ³
Ontario (CA)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (respirable fraction)
RO	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (fracțiune respirabilă)
VLA (FR)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (fraction respirable)
WEL (GB)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (Silica, crystalline; respirable fraction)
KR	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.05 mg/m ³ ⑤ (폐포 프랙션)
IS	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.3 mg/m ³ ⑤ (heildarryk, krabbameinsvaldandi)
IS	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (örfínt ryk, krabbameinsvaldandi)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7	① 1 mg/m ³ ⑤ (可吸入部分 # 尘埃极限值 10%=free SiO ₂ =50%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.7 mg/m ³ ⑤ (可进入肺泡的部分 # 尘埃极限值 10%=free SiO ₂ =50%)

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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
CN	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.7 mg/m ³ ⑤ (可进入肺泡的部分 # 尘埃极限值 50%<free SiO ₂ =80%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.3 mg/m ³ ⑤ (可进入肺泡的部分 # 尘埃极限值 50%<free SiO ₂ =80%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.5 mg/m ³ ⑤ (可吸入部分 # 尘埃极限值 free SiO ₂ >80%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.2 mg/m ³ ⑤ (可进入肺泡的部分 # 尘埃极限值 free SiO ₂ >80%)
JP	Quartz (SiO ₂) CAS No.: 14808-60-7	③ 0.03 mg/m ³ ⑤ respirable fraction
MY	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (pecahan alveolar)
BOELV (EU)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (Silica,crystalline; respirable fraction)
NL	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.075 mg/m ³ ⑤ (alveolaire fractie, Kankerverwekkend)
TSH (SK)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³
LV	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (elpošanas frakcija)
SRA (FI)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (respirabel fraktion)
OSHA (US)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 30 mg/m ³ / % SiO ₂ + 2 ⑤ (inhalable fraction)
OSHA (US)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 10 mg/m ³ / % SiO ₂ + 2 ⑤ (respirable fraction)
OSHA (US)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 250 mppcf/%SiO ₂ +5 ⑤ (fine dust)
NIOSH (US)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.05 mg/m ³ ⑤ (respirable fraction)
ACGIH (US)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.025 mg/m ³ ⑤ (respirable fraction)
Québec (CA)	Quartz (SiO ₂) CAS No.: 14808-60-7	① 0.1 mg/m ³ ⑤ (respirable fraction)

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

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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.

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: grey

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	> 999 °C			
Decomposition temperature	not determined			
Flash point	> 158 °C			
Evaporation rate	not determined			
Auto-ignition temperature	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	1.6 g/cm ³	23 °C		
Bulk density	not determined			
Water solubility	not determined			
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product itself does not burn.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

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10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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

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SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxy methylene)]bisoxirane	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)
9003-36-5	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	LC₅₀ : 1.8 mg/l 3 d (Selenastrum capricornutum) EC₅₀ : 2.54 mg/l 4 d (fish, Leuciscus idus (golden orfe))
68609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	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

12.2. Persistence and degradability

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

CAS No.	Substance name	Results of PBT and vPvB assessment
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane	—
9003-36-5	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	—
68609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	—
14808-60-7	Quartz (SiO ₂)	—

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

No dangerous good in sense of these transport regulations.

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA- DGR)
14.1. UN-No.			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
not relevant

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

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

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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.	Calculation method.
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation method.

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.
H372	Causes damage to organs through prolonged or repeated exposure. (...)
H411	Toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available