

SAFETY DATA SHEET

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

Revision date: 1 Nov 2022

Print date: 1 Nov 2022

Version: 1.4



HYDROPOX FLEX F-TX A-Komponente

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

1.1. Product identifier

Trade name/designation:

HYDROPOX FLEX F-TX A-Komponente

UFI:

HE81-2DE5-JJ7P-XGSK

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: International access phone number: +1-813-248-0585 /// United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924 (Contract No. MIS7249185) /// Australia: 1-300-954-583 /// Brazil: 0-800-591-6042 /// China: 400-120-0751 /// India: 000-800-100-4086 /// Mexico: 800-099-0731

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.	

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); bis-[4-(2,3-epoxypropoxy)phenyl]propane ; Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediylbis(oxyethylene)]bis[oxirane];
Reaktionsprodukt aus Hexan-1,6-diol mit 2-(Chlormethyl)oxiran

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 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediylbis(oxyethylene)]bis[oxirane], 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

P280	Wear protective gloves/protective clothing and eye/face protection.
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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.
P362 + P364	Take off contaminated clothing and wash it before reuse.

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 Index No.: 603-073-00-2	bis-[4-(2,3-epoxypropoxy)phenyl]propane Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Warning Specific concentration limit (SCL) Eye Irrit. 2; H319: C ≥ 5% Skin Irrit. 2; H315: C ≥ 5%	3 - < 7 weight-%
CAS No.: 356761-34-7 EC No.: 609-160-1	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediylbis(oxyethylene)]bis[oxirane] Aquatic Chronic 3 (H412), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Warning	3 - ≤ 6.66 weight-%
CAS No.: 14808-60-7 EC No.: 238-878-4	Quartz (SiO₂) STOT RE 1 (H372) Danger	2 - ≤ 4.16 weight-%
CAS No.: 933999-84-9 EC No.: 618-939-5 REACH No.: 01-2119463471-41-XXXX	Reaktionsprodukt aus Hexan-1,6-diol mit 2-(Chlormethyl)oxiran Aquatic Chronic 3 (H412), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Warning	1 - ≤ 2.22 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:

If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

After eye contact:

In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

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. Foam Carbon dioxide (CO2)
Extinguishing powder

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.

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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).

For cleaning up:

Solvents/Thinner

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, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Requirements for storage rooms and vessels:

Keep only in the original container in a cool, well-ventilated place.

Further information on storage conditions:

Conditions to avoid: UV-radiation/sunlight Heat Frost

7.3. Specific end use(s)

No data available

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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
BE	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (fraction respirable) C
NO	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.3 mg/m ³ ⑤ (inhalerbar fraksjon, Kreftramkallende) K 7
NO	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.05 mg/m ³ ⑤ (alveolar fraksjon, Kreftramkallende) KG 7 21
HTP (FI)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.05 mg/m ³ ⑤ (respirabel fraktion) alveolijae
LT	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (alveolinė frakcija), (Žiureti 1 priedo 3 punkta)
SE	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (respirabel fraktion)
PL	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (frakcja mogąca wnikać do dróg oddechowych)
HR	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³
DK	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.3 mg/m ³ ② 0.6 mg/m ³ ⑤ (inhalerbar fraktion) EK
DK	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ② 0.2 mg/m ³ ⑤ (alveol fraktion) EK
EE	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ 1, C
Alberta (CA)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.025 mg/m ³ ⑤ A2
ES	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.05 mg/m ³ ⑤ (fracción respirable) v,d
BC (CA)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.025 mg/m ³ ⑤ A2, 1
Ontario (CA)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (respirable fraction, designated Substance Reg.490/ 09)
RO	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (fracțiune respirabilă) PULBERI

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MX	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.025 mg/m ³ ⑤ (fracción respirable)
VRC (FR)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (fraction respirable)
WEL (GB)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (Silica,crystalline; respirable fraction)
IE	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (Silica,crystalline; respirable fraction) BOELV
IS	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.3 mg/m ³ ⑤ (heildarryk, krabbameinsvaldandi) K
IS	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (örfint ryk, krabbameinsvaldandi) K
CN	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 1 mg/m ³ ⑤ (##### 10%=free SiO ₂ =50%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.7 mg/m ³ ⑤ (##### 10%=free SiO ₂ =50%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.7 mg/m ³ ⑤ (##### 50%<free SiO ₂ =80%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.3 mg/m ³ ⑤ (##### 50%<free SiO ₂ =80%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.5 mg/m ³ ⑤ (##### free SiO ₂ >80%)
CN	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.2 mg/m ³ ⑤ (##### free SiO ₂ >80%)
JP	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	③ 0.03 mg/m ³ ⑤ respirable fraction
MY	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (pecahan alveolar)
BOELV (EU)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (Silica,crystalline; respirable fraction)
NL	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.075 mg/m ³ ⑤ (alveolaire fractie, Kankerverwekkend)
TSH (SK)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ karc 1A
LV	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (elpošanas frakcija)

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SRA (FI)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (respirabel fraktion)
AT	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.05 mg/m ³ ⑤ (alveolengängige Fraktion), (Siliziumdioxid) III C
IDLH (US)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 25 mg/m ³ ⑤ (respirable fraction, (cristobalite/tridymite)
IDLH (US)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 50 mg/m ³ ⑤ (respirable fraction, quartz/tripoli)
CH	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.15 mg/m ³ ⑤ (alveolengängige Fraktion) C1A SSC P; Tox: Lungenkrebs Silikose; HSE NIOSH OSHA
OSHA (US)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 30 mg/m ³ /% SiO ₂ + 2 ⑤ (inhalable fraction)
OSHA (US)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 10 mg/m ³ /% SiO ₂ + 2 ⑤ (respirable fraction)
OSHA (US)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 250 mppcf/%SiO ₂ +5 ⑤ (fine dust)
NIOSH (US)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.05 mg/m ³ ⑤ (respirable fraction)
ACGIH (US)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.025 mg/m ³ ⑤ (respirable fraction)
Québec (CA)	Quartz (SiO ₂) CAS No.: 14808-60-7 EC No.: 238-878-4	① 0.1 mg/m ³ ⑤ (respirable fraction)
CH	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 3 mg/m ³ ⑤ (alveolengängige Fraktion) SSC; Tox: Formal; Messmeth: NIOSH
BE	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ dioxyde de carbone
NO	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m ³
IE	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ (inhalable fraction)
IE	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 4 mg/m ³ ⑤ (respirable fraction)
LT	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m ³ ⑤
SE	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m ³ ⑤ (totalt damm)

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NPEL (SK)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m ³
BG	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³
HR	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ (frakcija koju se može udisati)
HR	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 4 mg/m ³ ⑤ (alveolarna frakcija)
DK	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 6 mg/m ³ ② 12 mg/m ³ ⑤ K
MAK (AT)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	② 10 mg/m ³ ⑤ (alveolengängige Fraktion, max. 2x60 min./Schicht)
RO	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ② 15 mg/m ³
EE	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m ³
Alberta (CA)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ 3
LV	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³
ES	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³
BC (CA)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 3 mg/m ³ ⑤ (respirable fraction) 2B
MX	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ② 20 mg/m ³
VLA (FR)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³
TW	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³
WEL (GB)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ (inhalable fraction)
WEL (GB)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 4 mg/m ³ ⑤ (respirable fraction)
IS	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 6 mg/m ³

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RU	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ Φ
GR	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ (εισπνεύσιμο τμήμα)
GR	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m ³ ⑤ (κυψελώδης τμήμα)
MY	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³
PL	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ (wdychalna frakcja)
CN	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 8 mg/m ³ ⑤ (##### #####)
JP	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 0.3 ppm
BC (CA)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ (inhalable fraction) 2B
ACGIH (US)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 2.5 mg/m ³ ⑤ (finescale particles; respirable fraction)
IDLH (US)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5,000 mg/m ³
OSHA (US)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 15 mg/m ³
ACGIH (US)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 0.2 mg/m ³ ⑤ (nanoscale particles; respirable fraction)
DFG (DE)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 0.3 mg/m ³ multipliziert mit der Materialdichte ② 2.4 mg/m ³ multipliziert mit der Materialdichte ⑤ (alveolengängige Fraktion)
MAK (AT)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 5 mg/m ³ ⑤ (alveolengängige Fraktion)
Québec (CA)	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 10 mg/m ³ ⑤ (inhalable 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 EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 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	Value	at °C	① Method ② Remark
pH	not determined		
Melting point	not determined		
Freezing point	not determined		
Initial boiling point and boiling range	not determined		
Decomposition temperature	not determined		
Flash point	not determined		
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	20 °C	
Relative density	not determined		
Bulk density	not determined		
Water solubility	practically insoluble		
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

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

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10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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)
Reaktionsprodukt aus Hexan-1,6-diol mit 2-(Chlormethyl)oxiran CAS No.: 933999-84-9 EC No.: 618-939-5
LD₅₀ oral: 15,000 mg/kg (Rat)
LD₅₀ dermal: >4,900 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.

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], 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

11.2. Information on other hazards

No data available

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SECTION 12: Ecological information

12.1. Toxicity

bis-[4-(2,3-epoxypropoxy)phenyl]propane CAS No.: 1675-54-3 EC No.: 216-823-5
LC ₅₀ : 2 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))
EC ₅₀ : 11 mg/L 3 d (Algae/water plant, Selenastrum capricornutum)
EC ₅₀ : 1.8 mg/L 2 d (Daphnia magna (Big water flea))
Reaktionsprodukt aus Hexan-1,6-diol mit 2-(Chlormethyl)oxiran CAS No.: 933999-84-9 EC No.: 618-939-5
EC ₅₀ : 67 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))
LC ₅₀ : 23.1 mg/L 2 d (Algae/water plant, Algae/water plant)
LC ₅₀ : 30 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))

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

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[1,6hexanediy]bis(oxymethylene)]bis[oxirane] CAS No.: 356761-34-7 EC No.: 609-160-1
Results of PBT and vPvB assessment: —
bis-[4-(2,3-epoxypropoxy)phenyl]propane CAS No.: 1675-54-3 EC No.: 216-823-5
Results of PBT and vPvB assessment: —
Quartz (SiO₂) CAS No.: 14808-60-7 EC No.: 238-878-4
Results of PBT and vPvB assessment: —
Reaktionsprodukt aus Hexan-1,6-diol mit 2-(Chlormethyl)oxiran CAS No.: 933999-84-9 EC No.: 618-939-5
Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties

No data available

12.7. 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

*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

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SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
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	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

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

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]

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.	

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Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	

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.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available