

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2

TPH.
waterproofing systems

FIX-O-FLEX HAFTGRUND

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

1.1. Product identifier

Trade name/designation:

FIX-O-FLEX HAFTGRUND

UFI:

GH8T-TPSU-058P-R1PU

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
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	On basis of test data.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation method.
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	Calculation method.

2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Danger

Hazard components for labelling:

N-(3-(trimethoxysilyl)propyl)ethylenediamine; propan-2-ol

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

hazard statements for health hazards

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Supplemental hazard information

EUH208 Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

Precautionary statements Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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.

P312 Call a POISON CENTER/doctor/- if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Precautionary statements Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

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.: 67-63-0 EC No.: 200-661-7	propan-2-ol Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 Danger H225-H319-H336	50 - 100 weight-%
CAS No.: 1760-24-3 EC No.: 217-164-6	N-(3-(trimethoxysilyl)propyl)ethylenediamine Eye Dam. 1, Skin Sens. 1B Danger H317-H318	< 1 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. Get medical advice/attention if you feel unwell.

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.

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

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

Serious eye damage/eye irritation Dizziness Dizziness

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:

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

5.2. Special hazards arising from the substance or mixture

Combustible

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).

For cleaning up:

Water (with cleaning agent)

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

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:

Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

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: 3 - Flammable liquids

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
BE	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
CZ	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	② 400 ppm (1,000 mg/m ³)
PL	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 900 mg/m ³ ② 1,200 mg/m ³ ⑤ (może przenikać przez skórę do organizmu)
NO	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 100 ppm (245 mg/m ³)
IE	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm ② 400 ppm
HTP (FI)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 250 ppm (620 mg/m ³)

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

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
LT	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 150 ppm (350 mg/m ³) ② 250 ppm (600 mg/m ³) ⑤
SE	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 150 ppm (350 mg/m ³) ③ 250 ppm (600 mg/m ³)
MY	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (983 mg/m ³)
NPEL (SK)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
PT	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm ② 400 ppm
MAK (AT)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	② 800 ppm (2,000 mg/m ³) ⑤ (max. 4x15 min./Schicht)
BG	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 980 mg/m ³ ② 1,225 mg/m ³
DK	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (490 mg/m ³) ② 400 ppm (980 mg/m ³)
HR	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (999 mg/m ³) ② 500 ppm (1,250 mg/m ³)
CN	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 350 mg/m ³ ② 700 mg/m ³
RO	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 81 ppm (200 mg/m ³) ② 203 ppm (500 mg/m ³)
ES	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³) ⑤ VLB, s
EE	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 150 ppm (350 mg/m ³) ② 250 ppm (600 mg/m ³)
Alberta (CA)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (492 mg/m ³) ② 400 ppm (984 mg/m ³)
LV	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 350 mg/m ³ ② 600 mg/m ³
BC (CA)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm ② 400 ppm
JP	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	③ 400 ppm (980 mg/m ³)
VLA (FR)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	② 400 ppm (980 mg/m ³)

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

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
MAK (AT)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³)
SI	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
WEL (GB)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (999 mg/m ³) ② 500 ppm (1,250 mg/m ³)
TW	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (983 mg/m ³)
KR	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (480 mg/m ³) ② 400 ppm (980 mg/m ³)
IS	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (490 mg/m ³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð)
CH	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
HU	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 500 mg/m ³ ② 1,000 mg/m ³ ⑤ (felvehető a bőrön keresztül)
RU	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 10 mg/m ³ ③ 50 mg/m ³
GR	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (980 mg/m ³) ② 500 ppm (1,225 mg/m ³)
Québec (CA)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (985 mg/m ³) ② 500 ppm (1,230 mg/m ³)
OSHA (US)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (980 mg/m ³)
NIOSH (US)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 400 ppm (980 mg/m ³) ② 500 ppm (1,225 mg/m ³)
ACGIH (US)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (492 mg/m ³) ② 400 ppm (984 mg/m ³)
TRGS 900 (DE)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	① 200 ppm (500 mg/m ³) ② 400 ppm (1,000 mg/m ³)
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m ³ ⑤ Mass fraction (wt %): 0

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
BAT (CH)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende
BAT (CH)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
VLB (ES)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	40 mg/L	① acetona ② orina ③ en caso de exposición por largo tiempo, fin de exposición o fin de turno
TRGS 903 (DE)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende
ACGIH-BEI (US)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	40 mg/L	① Acetone in urine ② urine ③ end of shift at end of workweek
VLBO (RO)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	50 mg/L	① Alcool izopropilic ② urina ③ finalul expunerii, resp. finalul schimbului
BAT (SI)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① aceton ② kri ③ ob koncu delovne izmene
BAT (SI)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① aceton ② urin ③ ob koncu delovne izmene
BIO (HU)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	25 mg/L	① Aceton ② vizelet ③ expozíció vége illetve műszak vége
BIO (HR)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	50 mg/L	① aceton ② krv ③ kraj izloženosti, odnosno kraj smjene
BIO (HR)	propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	50 mg/L	① aceton ② urin ③ kraj izloženosti, odnosno kraj smjene

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	500 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	89 mg/m ³	① DNEL Consumer ② Long-term - inhalation, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	888 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	319 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	26 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/l	① PNEC aquatic, freshwater
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	140.9 mg/l	① PNEC aquatic, marine water
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	2,251 mg/l	① PNEC sewage treatment plant
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	28 mg/kg bw/day	① PNEC soil
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	160 mg/kg	① PNEC secondary poisoning

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: AX

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: colourless

Odour: Ethanol

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	≈ -89 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	≈ 82 °C			
Decomposition temperature	<i>not determined</i>			
Flash point	≈ 12 °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	≈ 0.79 g/cm ³	23 °C	EN ISO 2811-1	
Bulk density	<i>not determined</i>			
Water solubility	miscible			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

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

No data available

10.6. Hazardous decomposition products

Gases/vapours, toxic

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance name	Toxicological information
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	LD₅₀ oral: 5,840 mg/kg (Rat) OECD 401 LC₅₀ Acute inhalation toxicity (vapour): >25 mg/l 6 h (Rat) OECD 403 LD₅₀ dermal: 13,900 mg/kg (Rabbit) OECD 402
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS No.: 1760-24-3 EC No.: 217-164-6	LC₅₀ Acute inhalation toxicity (dust/mist): 1.49 - 2.44 mg/l 4 h (Rat) LD₅₀ oral: 2,995 mg/kg (Rat) LD₅₀ dermal: >2,000 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.

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. 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:

May cause drowsiness or dizziness.

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

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	LC₅₀ : 9,640 mg/l 4 d (fish, Pimephales promelas (fathead minnow)) OECD 203 LC₅₀ : 9,714 mg/l (Daphnia magna (Big water flea)) OECD 202, 24h EC₅₀ : >100 mg/l 3 d (Algae/water plant, Desmodemus subspicatus) LOEC : 1,000 mg/l (Algae/water plant) 8d EC₅₀ : >100 mg/l (Bacteria)
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS No.: 1760-24-3 EC No.: 217-164-6	LC₅₀ : 597 mg/l 4 d (fish, semistatic Danio rerio (zebrafish)) EC₅₀ : 81 mg/l 2 d (Daphnia magna (Big water flea)) IC₅₀ : 8.8 mg/l 3 d (Algae/water plant, Algae/water plant) OECD 201 NOEC : 3.1 mg/l 3 d OECD 201 EC₅₀ : 67 mg/l (Pseudomonas putida) 16h NOEC : 1 mg/l 21 d (Daphnia magna (Big water flea)) NOEC : ≥1,000 mg/l (Eisenia fetida) OECD 207 ,14d

12.2. Persistence and degradability

Substance name	Biodegradation	Remark
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	Yes, rapidly	
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS No.: 1760-24-3 EC No.: 217-164-6	Yes, slowly	

12.3. Bioaccumulative potential

Substance name	Log K _{OW}	Bioconcentration factor (BCF)
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	0.05	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
propan-2-ol CAS No.: 67-63-0 EC No.: 200-661-7	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS No.: 1760-24-3 EC No.: 217-164-6	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

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2

TPH.
waterproofing systems

FIX-O-FLEX HAFTGRUND

Waste code product:

08 04 09 * Waste adhesives and sealants 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.

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 1993	UN 1993	UN 1993	UN 1993
14.2. UN proper shipping name			
FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
14.3. Transport hazard class(es)			
 3	 3	 3	 3
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special provisions: 274 601 640D Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 Hazard identification number (Kemler No.): 33 Classification code: F1 tunnel restriction code: (D/E) Remark:	Special provisions: 274 601 640D Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 Classification code: F1 Remark:	Special provisions: 274 Limited quantity (LQ): 1 L Excepted Quantities (EQ): E2 EmS-No.: F-E, S-E Remark:	Special provisions: A3 Limited quantity (LQ): Y341 Excepted Quantities (EQ): E2 Remark:

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SAFETY DATA SHEET

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

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 2



FIX-O-FLEX HAFTGRUND

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU legislation

Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.
Technische Anleitung Luft (TA-Luft) Klasse III 95 - 100%

15.1.2. National regulations

[DE] National regulations

Störfallverordnung

for substances contained in the product:

7b

Water hazard class

WGK:

1 - schwach 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]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	On basis of test data.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation method.
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	Calculation method.

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

16.6. Training advice

No data available

16.7. Additional information

No data available