

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

1.1. Product identifier

Name of product FIX-O-FLEX PRIMER

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Product categories [PC]

PC1 - Adhesives, sealants

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

TPH Bausysteme GmbH
Nordportbogen 8, D-22848 Norderstedt
Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66
78-78
E-Mail info@tph-bausysteme.com
Internet www.tph-bausysteme.com

Advice

E-mail (competent person):
sdb-info@tph-bausysteme.com

1.4. Emergency telephone number

Emergency advice

GIZ-Nord
Phone +49 (0)551 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Flam. Liq. 2	H225	
Eye Irrit. 2	H319	
Skin Sens. 1	H317	
STOT SE 3	H335, H336	
Aquatic Chronic 3	H412	

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

Hazard statements for health hazards

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Additional hints

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

2.2. Label elements

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



GHS02



GHS07

Signal word

Danger

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

Hazard statements for health hazards

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P350 IF ON SKIN: Gently 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.

Storage

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

Hazardous ingredients for labeling

1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate, 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, ethyl-acetate, hexahydro-4-methylphthalic anhydride, Isophorondiisocyanate homopolymer, Solvent naphtha, aromatic (hydrocarbon-mixture, group 3)

Supplemental Hazard information (EU)

Health properties

Repeated exposure may cause skin dryness or cracking.

Special rules for supplemental label elements for certain mixtures

Contains isocyanates. May produce an allergic reaction.

2.3. Other hazards

Information pertaining to special dangers for human and environment

Explosive when mixed with oxidizing substances.

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

PU-Primer

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
53880-05-0	931-312-3	Isophorondiisocyanate homopolymer	20 - 25	Skin Sens. 1, H317 / STOT SE 3, H335
64742-95-6	265-199-0	Solvent naphtha, aromatic (hydrocarbon-mixture, group 3)	5 < 10	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / STOT SE 3, H335 H336 / Aquatic Chronic 2, H411
141-78-6	205-500-4	ethyl-acetate	40 < 80	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336
140921-24-0	411-700-4	1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate	10 < 20	Skin Sens. 1, H317
19438-60-9	243-072-0	hexahydro-4-methylphthalic anhydride	0,1 < 1	Eye Dam. 1, H318 / Resp. Sens. 1, H334 / Skin Sens. 1, H317
540-84-1	208-759-1	2,2,4-trimethylpentane	0,1 < 1	Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
4098-71-9	223-861-6	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0,1 < 1	Acute Tox. 3, H331 / Eye Irrit. 2, H319 / STOT SE 3, H335 / Skin Irrit. 2, H315 / Resp. Sens. 1, H334 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411

REACH

CAS No	Name	REACH registration number
53880-05-0	Isophorondiisocyanate homopolymer	01-2119488734-24
64742-95-6	Solvent naphtha, aromatic (hydrocarbon-mixture, group 3)	01-2119486773-24-xxxx
141-78-6	ethyl-acetate	01-2119475103-46-xxxx
140921-24-0	1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate	01-0000015906-63-xxxx
19438-60-9	hexahydro-4-methylphthalic anhydride	01-2119510879-29-xxxx
540-84-1	2,2,4-trimethylpentane	01-2119457965-22-xxxx
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	01-2119490408-31-xxxx

Additional advice

This product contains one or more substances of very high concern (SVHC) from the candidate list (Regulation (EC) No. 1907/2006 (REACH), Article 59).

! SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.
Take affected person into fresh air.

In case of inhalation

Ensure of fresh air.
In the event of symptoms refer for medical treatment.

! In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.
Refer to medical treatment.

In case of ingestion

Call for a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam
Dry powder
Carbon dioxide
Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire formation of harmful smoulder gas that may explode in air.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.
Wear full protective clothing.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.
Keep people away and stay on the upwind side.
Keep away sources of ignition.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
After taking up the material dispose according to regulation.

Additional Information

Informations for disposal see chapter 13.

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

General protective measures

Do not inhale vapours.

Hygiene measures

At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.
Keep separated from food and feed.
Wash hands before breaks and after work.

Advice on protection against fire and explosion

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

7.2. Conditions for safe storage, including any incompatibilities

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Storage group 3

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.
Short term: filter apparatus, combination filter A-P2

Hand protection

Rubber gloves
Synthetic rubber gloves
PVC gloves
Neoprene gloves

Eye protection

tightly fitting goggles

Other protection measures

protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
liquid

Colour
clear

Odour
solvent-like

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				
Acid number	not applicable				
boiling point	ca. 76 °C				
melting point	not applicable				
Flash point	ca. -4 °C				
Vapourisation rate	No data available				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				
Self ignition temperature	No information available.				
Lower explosion limit	No data available				
Upper explosion limit	No data available				
Vapour pressure	1100 hPa	50 °C			
Relative density	ca. 1 g/cm ³	23 °C		DIN EN ISO 2811-1	
Bulk density	not applicable				
Vapour density	No data available				
Solubility in water	No data available				
Solubility/other				No data available	

	Value	Temperature	at	Method	Remark
Partition coefficient n-octanol/water (log P O/W)	No data available				
Decomposition temperature	No information available.				
Viscosity dynamic	ca. 20 mPa*s	23 °C		DIN EN ISO 2555	
Viscosity kinematic	< 20 mm ² /s	40 °C			
Solvent separation test	No data available				
Solvent content	No data available				
Water content	No data available				
Solids content	No information available.				
Combustion value	No data available				
Oxidising properties	no				
Explosive properties	No data available				
9.2. Other information	flammable liqjud				

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

None, if handled according to order.

10.5. Incompatible materials

Substances to avoid

No hazardous reactions known.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	No data available			
LD50 acute dermal	15803,2 mg/kg			
LC50 acute inhalation	27,85 mg/l ()			
Skin irritation	irritant			
Eye irritation	irritant			
Skin sensitization	sensitizing			
Sensitization respiratory system	sensitizing			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity	No data available			
Subchronic Toxicity	No data available			
Chronic Toxicity	No data available			
Mutagenicity	No data available			
Reproduction-Toxicity	No data available			
Carcinogenicity	No data available			

Specific target organ toxicity (single exposure)

No data available

Specific target organ toxicity (repeated exposure)

No data available

Aspiration hazard

No data available

Toxicity test (Additional information)

no

Experiences made from practice

Irritates mucous membranes.

Irritates eyes and skin.

Additional information

No toxicological data available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	No data available			
Daphnia	No data available			
Algae	No data available			
Bacteria	No data available			

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	No data available			
Biological degradability	No data available			
Degradability	No data available			
Biological eliminability	No data available			
Degradability according to WRMG	No data available			

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available

Behaviour in sewage plant

No data available

Respiration inhibition of activated sludge

	Value	Method	Remark
EC 50	No data available		

Additional ecological information

	Value	Method	Remark
OC	No data available		
COD	No data available		
BOD	No data available		
AOX	No data available		

Contains following heavy metals and compounds of the 76/464/EWG

No data available

General regulation

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

In accordance with regulations for special waste, must be taken to a special waste disposal.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1993	1993	1993

	ADR/RID	IMDG	IATA-DGR
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (ethyl-acetate)	FLAMMABLE LIQUID, N.O.S. (ethyl-acetate)	Flammable liquid, n.o.s. (ethyl-acetate)
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	II	II	II
14.5. Environmental hazards	No	No	No

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

Hazard label(s) 3

tunnel restriction code D/E

Special provisions 640D

Classification code F1

SECTION 15: Regulatory information

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

VOC standard

VOC value <=64 g/L

National regulations

Restriction of occupation

Observe employment restrictions for mothers-to-be and nursing mothers.

Other regulations, restrictions and prohibition regulations

ZH 1/75.1 "Regulations of inflammable liquids"

ZH 1/319 "Data Sheet: Solvents (M 017)"

Water hazard class 2 Mixture-WGK

Technical instruction air

Class I Anteil < 1 %

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.0

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H335	-?-
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.