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

### 1.1. Product identifier

**Name of product** FIX-O-FLEX F NV DI-2

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

No information available.

### 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](mailto:info@tph-bausysteme.com)  
Internet [www.tph-bausysteme.com](http://www.tph-bausysteme.com)

#### Advice

Research & Development  
E-mail (competent person):  
[j.guenther@tph-bausysteme.com](mailto:j.guenther@tph-bausysteme.com)

### 1.4. Emergency telephone number

#### Emergency advice

Phone +49 (0)40 / 52 90 66 78-52  
This number is only available at office times.

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to 67/548/EEC or 1999/45/EC

no

#### Additional hints

The preparation is not classified as hazardous according to Directive 1999/45/EC.

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

#### Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

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

No information available.

### 2.3. Other hazards

#### Results of PBT and vPvB assessment

not determined

## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
1760-24-3	217-164-6	N-[3-(Trimethoxysilyl)propyl] ethylenediamine	< 1	Xn R20; Xi R41; R43; N R51/53
2768-02-7	220-449-8	Vinyltrimethoxysilane	1 - 5	R10; Xn R20
52829-07-9	258-207-9	Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	< 1	N R51/53; Xi R36

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
1760-24-3	217-164-6	N-[3-(Trimethoxysilyl)propyl] ethylenediamine	< 1	Skin Sens. 1, H317 / Eye Dam. 1, H318 / Acute Tox. 4, H332 / Aquatic chronic 2, H411
2768-02-7	220-449-8	Vinyltrimethoxysilane	1 - 5	Flam. Liq. 3, H226 / Acute Tox. 4, H332
52829-07-9	258-207-9	Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	< 1	Eye Irrit. 2, H319 / Aquatic chronic 2, H411

#### REACH

CAS No	Name	REACH registration number
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	01-2119537279-32

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

no

#### 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 plenty of water and seek medical advice.

#### In case of ingestion

Material generates small amount of methanol (toxic) on hydrolysis.

If swallowed seek medical advice immediately and show the doctor packing or label.

### 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

#### Treatment (Advice to doctor)

Treat symptoms.

## 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

No information available.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

no

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

no

### 6.2. Environmental precautions

no

### 6.3. Methods and material for containment and cleaning up

Take up mechanically and send for disposal.

### 6.4. Reference to other sections

No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

no

#### General protective measures

Avoid contact with eyes and skin

#### Hygiene measures

At work do not eat, drink and smoke.

Keep separated from food and feed.

Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

no

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

no

**Advice on storage compatibility**

no

**Further information on storage conditions**

Protect from atmospheric moisture and water  
Keep container dry and tightly closed.

**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**

no

**Hand protection**

chemical-resistant gloves

**Eye protection**

safety goggles

**Other protection measures**

protective clothing

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

viscous

**Colour**

black

**Odour**

hardly noticeable

**Odour threshold**

No information available.

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not applicable				
<b>Acid number</b>	not applicable				
<b>boiling range</b>	not applicable				
<b>melting range</b>	not applicable				
<b>Flash point</b>	not determined				
<b>Vapourisation rate</b>	No information available.				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				

	Value	Temperature	at	Method	Remark
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not applicable				
<b>Lower explosion limit</b>	not applicable				
<b>Upper explosion limit</b>	not applicable				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	ca. 1,36 g/cm <sup>3</sup>	23 °C		DIN EN ISO 2811-1	
<b>Vapour density</b>	not applicable				
<b>Solubility in water</b>					Reacts with water
<b>Solubility/other</b>				not determined	
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not applicable				
<b>Decomposition temperature</b>	No information available.				
<b>Viscosity dynamic</b>	15 - 20 Pa*s	23 °C		DIN EN ISO 2555	
<b>Solvent separation test</b>	not determined				
<b>Solvent concentration</b>	0 %				
<b>Water content</b>	not applicable				
<b>Solids content</b>	not determined				
<b>Combustion value</b>	not applicable				
<b>Oxidising properties</b>	no				
<b>Explosive properties</b>	no				
<b>9.2. Other information</b>	no				

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

not determined

### 10.2. Chemical stability

not determined

### 10.3. Possibility of hazardous reactions

not determined

### 10.4. Conditions to avoid

None, if handled according to order.

### 10.5. Incompatible materials

#### Materials 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.

### Additional information

no

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	not determined			
<b>LD50 acute dermal</b>	not determined			
<b>LC50 acute inhalation</b>	not determined			
<b>Irritability skin</b>	not determined			
<b>Irritability eye</b>	not determined			
<b>Skin sensitization</b>	not determined			
<b>Sensitization respiratory system</b>	not determined			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>	not determined			
<b>Subchronic Toxicity</b>	not determined			
<b>Chronic Toxicity</b>	not determined			
<b>Mutagenicity</b>	not determined			
<b>Reproduction-Toxicity</b>	not determined			
<b>Carcinogenicity</b>	not determined			

**Toxicity test (Additional information)**  
no

**Experiences made from practice**  
Sensitization through skin contact possible.  
Irritates eyes and skin.

**Additional information**  
No toxicological data available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>				not determined
<b>Daphnia</b>				not determined
<b>Algae</b>				not determined
<b>Bacteria</b>				not determined

**12.2. Persistence and degradability**

<b>Physico-chemical degradability</b>				not determined
<b>Biological degradability</b>				not determined
<b>Degradability</b>				not determined

Elimination rate	Method of analysis	Method	Validation
<b>Biological eliminability</b>			not determined
<b>Degradability according to WRMG</b>			not determined
<b>12.3. Bioaccumulative potential</b>			
No specific test data available. No indications of critical characteristics.			
<b>12.4. Mobility in soil</b>			
not determined			
<b>12.5. Results of PBT and vPvB assessment</b>			
not determined			
<b>12.6. Other adverse effects</b>			
no			
<b>Behaviour in sewage plant</b>			
not determined			

**Respiration inhibition of activated sludge**

Value	Method	Remark
<b>EC 50</b>		not determined

**Additional ecological information**

Value	Method	Remark
<b>OC</b>		not determined
<b>COD</b>		not determined
<b>BOD</b>		not determined
<b>AOX</b>	not applicable	

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

not determined

**General regulation**

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste code No.**

08 04 10

**Name of waste**

waste adhesives and sealants other than those mentioned in 08 04 09

**Recommendations for the product**

Remove in accordance with local official regulations.



**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
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-

**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**

No dangerous goods as defined by these transport regulations.

**Marine transport IMDG**

No dangerous goods as defined by these transport regulations.

**Air transport ICAO/IATA-DGR**

No dangerous goods as defined by these transport regulations.

**Transport/further information**

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

**SECTION 15: Regulatory information**

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

**National regulations**

**Water hazard class** 1 self-classification

**15.2. Chemical Safety Assessment**

For this substance a chemical safety assessment has not been carried out.

## **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.

### **Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)**

R 10 Flammable.

R 20 Harmful by inhalation.

R 36 Irritating to eyes.

R 41 Risk of serious damage to eyes.

R 43 May cause sensitisation by skin contact.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.