

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.09.2024

Version number 8 (replaces version 7)

Revision: 23.04.2024

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

· **1.1 Product identifier**

· **Trade name:** PTFE-Band FRp, GRp; PTFE-Gewindedichtfaden; PTFE-Gewindedichtband; Bonnatex FA-FB-FD-FH;

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

No further relevant information available.

· **Application of the substance / the mixture** Sealant

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Fermit GmbH
Zur Heide 4,
D- 53560 Vettelschoß
www.fermit.de

· **Informing department:**

Tel.: +49 (0) 2645-2207
Fax: +49 (0) 2645-3113
Email: info@fermit.de

· **1.4 Emergency telephone number:**

Gift-Informationszentrum Nord, Göttingen
Poison Information Center, Göttingen
Tel.: +49 (0)551 19240
(German and English only)

* **SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**

Please refer to further labelling elements in section 15 of this safety data sheet, if applicable.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

* **SECTION 3: Composition/information on ingredients**

· **3.2 Mixtures**

· **Description:** Polymer product

· **Dangerous components:** Void

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

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* SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact**
Due to consistence and application method of the product an eye contact is not expected at normal cases.
- **After swallowing** Swallowing is not considered to be a possible way of exposure.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture**
Do not inhale smoke and combustion products.
Can be released in case of fire:
Fluorohydrocarbons
Hydrogen fluoride (HF)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.

* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Avoid causing dust.
- **For non-emergency personnel** Avoid contact with the product.
- **For emergency responders** Put on suitable personal protective equipment.
- **6.2 Environmental precautions:**
Gather mechanically and reuse, if possible.
Do not allow to enter drainage system, ground/soil and water bodies.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- **6.4 Reference to other sections**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Do not heat product above 250°C.
Extractors are required on all machines used for thermal processing or metal removal processes.
No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Handling** The usual precautionary measures should be adhered to general rules for handling chemicals.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.

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- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

* SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures** Wash hands during breaks and at the end of the work.

· **Breathing equipment:**

Approved dust respirators must be used for dusty conditions or if dust levels exceed established standards.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Not required.

* SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· **General Information**

· **Physical state**

Solid

· **Colour:**

Whitish

· **Odour:**

odourless

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

335 - 380 °C

· **Boiling point or initial boiling point and boiling range**

Not determined

· **Flammability**

Not determined.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

Not applicable

· **Auto-ignition temperature:**

500 - 560 °C

· **Decomposition temperature:**

Not determined.

· **SADT**

· **pH**

Not applicable.

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<ul style="list-style-type: none"> · Viscosity: · <i>Kinematic viscosity</i> Not applicable. · <i>dynamic:</i> Not applicable. · Solubility · <i>Water:</i> Insoluble · <i>Partition coefficient n-octanol/water (log value)</i> Not determined. · <i>Vapour pressure:</i> Not applicable. · Density and/or relative density · <i>Density</i> Not determined · <i>Relative density</i> Not determined. · <i>Vapour density</i> Not applicable. · <i>Particle characteristics</i> See section 3. 	
<ul style="list-style-type: none"> · 9.2 Other information · Appearance: · <i>Form:</i> Solid · Important information on protection of health and environment, and on safety. · <i>Self-inflammability:</i> Product is not selfigniting. · <i>Explosive properties:</i> Product is not explosive. · VOC EU · <i>Solids content:</i> 100.0 % · Change in condition · <i>Evaporation rate</i> Not applicable. 	
<ul style="list-style-type: none"> · Information with regard to physical hazard classes · <i>Explosives</i> Void · <i>Flammable gases</i> Void · <i>Aerosols</i> Void · <i>Oxidising gases</i> Void · <i>Gases under pressure</i> Void · <i>Flammable liquids</i> Void · <i>Flammable solids</i> Void · <i>Self-reactive substances and mixtures</i> Void · <i>Pyrophoric liquids</i> Void · <i>Pyrophoric solids</i> Void · <i>Self-heating substances and mixtures</i> Void · <i>Substances and mixtures, which emit flammable gases in contact with water</i> Void · <i>Oxidising liquids</i> Void · <i>Oxidising solids</i> Void · <i>Organic peroxides</i> Void · <i>Corrosive to metals</i> No statement can be made on this point due to a lack of studies on the product. · <i>Desensitised explosives</i> Void 	

* SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
 - *Thermal decomposition / conditions to be avoided:* Thermal decomposition > 260°C.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Powderous alcali and earth alcali metals, strong oxidizer.

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- **10.6 Hazardous decomposition products:** Danger of toxic fluorine based pyrolysis products.

* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
 - **Acute 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** Based on available data, the classification criteria are not met.
 - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
 - **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.
- **11.2 Information on other hazards**

· Endocrine disrupting properties
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None of the ingredients is listed.

* SECTION 12: Ecological information

- **12.1 Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability**
Based on previous experience, this product is inert and non-degradable.
 - **Other information:** There are no data available about the preparation.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No further relevant information available.
 - **Additional ecological information:**
 - **General notes:** Generally not hazardous for water.

* SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
 - **Recommendation**
Dispose of contents/container in accordance with local/regional/national/international regulations.

· European waste catalogue	
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07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02 00	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic

- **Uncleaned packagings:**
 - **Recommendation:**
Dispose of packaging according to regulations on the disposal of packagings.
Non contaminated packagings can be used for recycling.

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Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

* **SECTION 14: Transport information**

· 14.1 UN number or ID number · ADR/RID, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR/RID, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR/RID, ADN, IMDG · Class	Void
· IATA · Class	Void Not Restricted.
· 14.4 Packing group · ADR/RID, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

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- **National regulations**

- **Water hazard class:**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* SECTION 16: Other information

This data sheet considers labelling requirements of Regulation (EU) 2022/692 adapting Regulation (EC) No 1272/2008 (18th ATP of the CLP Regulation).

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

- **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

- **Classification according to Regulation (EC) No 1272/2008** Calculation method

- **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:
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- **Version number of previous version: 7**

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**