

# Safety Data Sheet

## PETRA®130FR

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### 1. Identification

#### Product identifier used on the label

## PETRA®130FR

#### Recommended use of the chemical and restriction on use

Recommended use\*: for industrial use only

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: polyester  
Synonyms: polyester resin

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### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

No need for classification according to GHS criteria for this product.

#### Label elements

The product does not require a hazard warning label in accordance with GHS criteria. The dangerous ingredients are fixed in a polymer matrix.

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### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

#### Labeling of special preparations (GHS):

UNDER HOT MELT PROCESSING CONDITIONS, WEAR PERSONAL PROTECTIVE EQUIPMENT TO PREVENT THERMAL BURNS.

### 3. Composition / Information on Ingredients

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
15432-85-6	>= 3.0 - < 5.0%	antimony compound
25068-38-6	>= 0.3 - < 1.0%	bisphenol A-epichlorohydrin resin
25038-59-9	>= 0.0 - < 50.0%	Polyethyleneterephthalate (PET)

### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

Remove contaminated clothing.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

##### If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

##### If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

##### If swallowed:

Ingestion is not likely in the available physical form. If ingested, seek medical attention. Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Immediate medical attention required.

#### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

#### Indication of any immediate medical attention and special treatment needed

##### Note to physician

Treatment: Treat symptomatically.

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, carbon dioxide, foam

#### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
No particular hazards known.

#### Advice for fire-fighters

Protective equipment for fire-fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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### 6. Accidental release measures

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

Ensure adequate ventilation. Wear respiratory protection if ventilation is inadequate. Use personal protective clothing.

#### Environmental precautions

This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

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

Reclaim for processing if possible. Sweep/shovel up. Place into suitable containers for reuse or disposal in a licensed facility. Dispose of in accordance with national, state and local regulations.

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### 7. Handling and Storage

#### Precautions for safe handling

Provide suitable exhaust ventilation at the processing machines. Avoid inhalation of dusts/mists/vapours.

Protection against fire and explosion:

The product is capable of dust explosion. No explosion proofing necessary.

Containers should be grounded against electrostatic charge.

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

The product in undamaged packing need not be stored separately.

Suitable materials for containers: Low density polyethylene (LDPE)

Further information on storage conditions: Keep container tightly closed. Avoid deposition of dust.

Storage stability:

Protect against moisture.

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### 8. Exposure Controls/Personal Protection

#### Components with occupational exposure limits

antimony compound	OSHA PEL	PEL 0.5 mg/m <sup>3</sup> (antimony (Sb)); TWA value 0.5 mg/m <sup>3</sup> (antimony (Sb));
	ACGIH TLV	TWA value 0.5 mg/m <sup>3</sup> (antimony (Sb));
Glass, oxide, chemicals	ACGIH TLV	TWA value 5 mg/m <sup>3</sup> Inhalable fraction ; TWA value 1 fibers/cm <sup>3</sup> Fiber ; TWA value 0.2 fibers/cm <sup>3</sup> Fiber ;

#### **Advice on system design:**

Provide local exhaust ventilation to control dusts/vapours.

#### **Personal protective equipment**

##### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

##### **Hand protection:**

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

##### **Eye protection:**

Safety glasses

##### **Body protection:**

Body protection must be chosen based on level of activity and exposure.

##### **General safety and hygiene measures:**

Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dusts/mists/vapours. Wash soiled clothing immediately.

### 9. Physical and Chemical Properties

Form:	pellets
Odour:	odourless
Odour threshold:	No applicable information available.
Colour:	The colour is derived from the trade name.
pH value:	not applicable
Melting temperature:	approx. 245 °C (DIN EN ISO 3146)
Boiling range:	The substance / product decomposes therefore not determined.
Sublimation point:	No applicable information available.
Flash point:	> 400 °C (closed cup)
Flammability:	No applicable information available.
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Autoignition:	not applicable
Vapour pressure:	not applicable

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Density:	1.40 - 1.75 g/cm <sup>3</sup> ( 20 °C)	(EN ISO 1183-1)
Relative density:	1.05 - 1.25	
Bulk density:	600 - 900 kg/m <sup>3</sup>	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	> 300 °C May decompose if overheated and/or subjected to prolonged heating.	
Viscosity, dynamic:	not applicable, the product is a solid	
Viscosity, kinematic:	not applicable, the product is a solid	
Solubility in water:	insoluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

### Chemical stability

The product is chemically stable.

### Possibility of hazardous reactions

The product is chemically stable.

### Conditions to avoid

Avoid prolonged exposure to extreme heat.

### Incompatible materials

strong oxidizing agents, acids, bases

### Hazardous decomposition products

Decomposition products:

Possible thermal decomposition products:

hydrogen cyanide, carbon monoxide, ammonia

Thermal decomposition:

> 300 °C

May decompose if overheated and/or subjected to prolonged heating.

## 11. Toxicological information

### Primary routes of exposure

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Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

#### Inhalation

Not inhalable due to the physico-chemical properties of the product.

#### Dermal

Type of value: ATE

Value: > 5,000 mg/kg

#### Assessment other acute effects

No applicable information available.

#### Irritation / corrosion

Assessment of irritating effects: Irritation is possible when the product comes in contact with the skin, respiratory tract or the eyes.

#### Sensitization

Assessment of sensitization: No applicable information available.

#### Aspiration Hazard

No aspiration hazard expected.

### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: No adverse effects have been reported in the processing and use of the product. No known chronic effects.

#### Genetic toxicity

Assessment of mutagenicity: No data available concerning mutagenic effects.

#### Carcinogenicity

Assessment of carcinogenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Reproductive toxicity

Assessment of reproduction toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Other Information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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### 12. Ecological Information

#### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the structure of the product. There is a high probability that the product is not acutely harmful to aquatic organisms.

#### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O)

Experience shows this product to be inert and non-degradable.

#### Bioaccumulative potential

Bioaccumulation potential

The product will not be readily bioavailable due to its consistency and insolubility in water.

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### 13. Disposal considerations

#### Waste disposal of substance:

Incinerate in a licensed facility. Do not discharge substance/product into sewer system.

#### Container disposal:

Dispose of in accordance with national, state and local regulations.

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### 14. Transport Information

#### Land transport

USDOT

Not classified as a dangerous good under transport regulations

#### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

#### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

#### Federal Regulations

#### Registration status:

Chemical TSCA, US released / listed

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**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

### State regulations

#### State RTK

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
NJ	15432-85-6	antimony compound
	65997-17-3	Glass, oxide, chemicals
PA	15432-85-6	antimony compound
	65997-17-3	Glass, oxide, chemicals

### **Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:**

**WARNING:** This product can expose you to chemicals including LEAD, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **NFPA Hazard codes:**

Health: 1      Fire: 1      Reactivity: 0      Special:

### **HMIS III rating**

Health: 1      Flammability: 1      Physical hazard: 0

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## 16. Other Information

### **SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2018/10/24

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