

# Safety data sheet

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BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 12.07.2023

Version: 2.0

Product: **PETRA 130 BK112**

(ID no. 30217167/SDS\_GEN\_00/EN)

Date of print 18.04.2025

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## 1. Identification

### Product identifier

## **PETRA 130 BK112**

Recommended use: Polymer, for industrial processing only

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

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Telephone: +49 621 60-0

E-mail address: global.info@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

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

### Label elements

Globally Harmonized System (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

### Other hazards

According to UN GHS criteria

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

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## 3. Composition/Information on Ingredients

### Substances

Not applicable

### Mixtures

Chemical nature

Hazardous ingredients (GHS)

According to UN GHS criteria

Polyethyleneterephthalate (PET)

Content (W/W):  $\geq 50\%$  -  $< 75\%$       Aquatic Chronic 4  
CAS Number: 25038-59-9                      H413

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ )

Content (W/W):  $\geq 1\%$  -  $< 3\%$   
CAS Number: 25068-38-6  
INDEX-Number: 603-074-00-8

For the classifications not written out in full in this section the full text can be found in section 16.

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## 4. First-Aid Measures

### Description of first aid measures

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

On skin contact:

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

On contact with 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.

On ingestion:

Ingestion is not likely in the available physical form. If ingested, seek medical attention.

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

Hazards: No hazard is expected under intended use and appropriate handling.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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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**

No particular hazards known.

**Advice for fire-fighters**

Special protective equipment:  
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**

Use personal protective clothing.

**Environmental precautions**

No special precautions necessary.

**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.

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**7. Handling and Storage****Precautions for safe handling**

Protection against fire and explosion:  
No explosion proofing necessary.

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

Suitable materials for containers: Stainless steel 1.4301 (V2)  
Further information on storage conditions: Keep container tightly closed. Avoid deposition of dust.

Storage class according to TRGS 510 (originally VCI, Germany): (4.1A) Flammables solids.

Storage stability:  
Protect against moisture.

### Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## 8. Exposure Controls/Personal Protection

### Control parameters

#### Components with occupational exposure limits

65997-17-3: Glass, oxide, chemicals

25038-59-9: Polyethyleneterephthalate (PET)

### Exposure controls

#### Personal protective equipment

Respiratory protection:

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

Hand protection:

Wear gloves to prevent contact during mechanical processing and/or hot melt conditions.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

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 dust. Wash soiled clothing immediately.

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## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Form:	pellets
Colour:	black
Odour:	odourless
Odour threshold:	not applicable
pH value:	not applicable
melting range:	220 - 225 °C

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Boiling range:	The substance / product decomposes therefore not determined.	
Flash point:	> 400 °C	(closed cup)
Evaporation rate:	The product is a non-volatile solid.	
Flammability:	not highly flammable	
Ignition temperature:	No data available.	
Vapour pressure:	not applicable	
Density:	1,30 - 1,50 g/cm <sup>3</sup> (20 °C)	
Relative density:	1,05 - 1,25	
Relative vapour density (air):	not applicable	
Solubility in water:	insoluble	
Self ignition:	not self-igniting	
Thermal decomposition:	> 300 °C May decompose if overheated and/or subjected to prolonged heating.	
Explosion hazard:	not explosive	

### Other information

Bulk density: 600 - 900 kg/m<sup>3</sup>

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## 10. Stability and Reactivity

### Reactivity

Corrosion to metals: No corrosive effect on metal.

### Possibility of hazardous reactions

The product is chemically stable.

### Conditions to avoid

Avoid prolonged exposure to extreme heat.

### Incompatible materials

Substances to avoid:  
strong oxidizing agents, acids, bases

### Hazardous decomposition products

Possible thermal decomposition products:

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Hydrogen cyanide, Carbon monoxide, Ammonia, anhydrous

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## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

Contact with molten product may cause thermal burns.

#### Irritation

Assessment of irritating effects:

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

#### Respiratory/Skin sensitization

Assessment of sensitization:

No data available. provisional classification.

#### Germ cell mutagenicity

Assessment of mutagenicity:

No data available concerning mutagenic effects. provisional classification.

#### 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 relevant toxicity 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.

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## 12. Ecological Information

### 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):

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

Elimination information:

No data available.

### **Bioaccumulative potential**

Assessment bioaccumulation potential:

The product has not been tested.

### **Additional information**

Sum parameter

Chemical oxygen demand (COD):

No data available.

Biochemical oxygen demand (BOD):

No data available.

Theoretical Oxygen Demand (ThOD):

No data available.

Add. remarks environm. fate & pathway:

At the present state of knowledge, no negative ecological effects are expected.

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## **13. Disposal Considerations**

### **Waste treatment methods**

Incinerate in a licensed facility.

Do not discharge substance/product into sewer system.

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## **14. Transport Information**

### **Land transport**

ADR

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for

user

None known

RID

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

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UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Inland waterway transport**

ADN

Not classified as a dangerous good under transport regulations  
UN number or ID number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Transport in inland waterway vessel**

Not evaluated

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations  
UN number or ID number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations  
UN number or ID number: Not applicable  
UN proper shipping name: Not applicable  
Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

### **Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.



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## 15. Regulatory Information

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

Not applicable

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## 16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Aquatic Chronic

Hazardous to the aquatic environment - chronic

H413

May cause long lasting harmful effects to aquatic life.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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