

# Safety Data Sheet

## PETRA 130 BK112

Revision date : 2013/07/25  
Version: 2.0

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(30217167/SDS\_GEN\_US/EN)

### 1. Product and Company Identification

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

24 Hour Emergency Response Information  
CHEMTRIC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

Chemical family: polyester resin  
Synonyms: POLYESTER RESIN

### 2. Hazards Identification

#### Emergency overview

**CAUTION:**  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
INGESTION MAY CAUSE GASTRIC DISTURBANCES.  
Use with local exhaust ventilation.  
Wear a NIOSH-certified (or equivalent) particulate respirator.  
Wear protective clothing.  
Eye wash fountains and safety showers must be easily accessible.

State of matter: solid  
Colour: various, depending on the colourant  
Odour: odourless

#### Potential health effects

##### **Primary routes of exposure:**

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

##### **Acute toxicity:**

Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

##### **Irritation / corrosion:**

Irritation is possible when the product comes in contact with the skin, respiratory tract or the eyes.

##### **Sensitization:**

No data available. provisional classification.

##### **Chronic toxicity:**

**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.



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**Repeated dose toxicity:** Prolonged inhalation exposures may produce cough, phlegm, tiredness, chest pain and headache.

**Reproductive 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.

**Genotoxicity:** No data available concerning mutagenic effects. provisional classification.

### Potential environmental effects

#### **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.

#### **Degradation / environmental fate:**

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

#### **Bioaccumulation / bioconcentration:**

The product has not been tested.

## 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25038-59-9	>= 50.0 - <= 70.0 %	Polyethyleneterephthalate (PET)
65997-17-3	>= 20.0 - <= 40.0 %	Glass, oxide, chemicals
25103-74-6	>= 1.0 - <= 5.0 %	2-Propenoic acid, methyl ester, polymer with ethene
9004-93-7	>= 1.0 - <= 5.0 %	Poly(oxy-1,2-ethanediyl), .alpha.-(2-ethyl-1-oxohexyl)-.omega.-(2-ethyl-1-oxohexyl)oxy]-
1333-86-4	>= 0.1 - <= 1.0 %	carbon black

## 4. 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. Immediate medical attention required.

#### **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.

## 5. Fire-Fighting Measures

Flash point:	> 400 °C	(closed cup)
Autoignition:		No data available.
Flammability:	No data available.	
Self-ignition temperature:		not self-igniting



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### **Suitable extinguishing media:**

water spray, dry powder, carbon dioxide, foam

### **Hazards during fire-fighting:**

No particular hazards known.

### **Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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## 6. Accidental release measures

### **Environmental precautions:**

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

### **Cleanup:**

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

### Handling

#### **Protection against fire and explosion:**

No explosion proofing necessary.

### Storage

#### **General advice:**

Keep container tightly closed. Avoid deposition of dust.

#### **Storage stability:**

Protect against moisture.

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## 8. Exposure Controls and Personal Protection

### Components with occupational exposure limits

carbon black	OSHA PEL	PEL 3.5 mg/m <sup>3</sup> ;
	ACGIH TLV	TWA value 3.5 mg/m <sup>3</sup> ;

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

Provide local exhaust ventilation to control dusts/vapours.

### Personal protective equipment

#### **Respiratory protection:**

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

#### **Hand protection:**

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

#### **Eye protection:**

Tightly fitting safety goggles (chemical goggles).

#### **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

Form:	pellets
Odour:	odourless
Colour:	various, depending on the colourant
pH value:	not applicable
melting range:	220 - 225 °C
Boiling range:	The substance / product decomposes therefore not determined.
Vapour pressure:	not applicable
Density:	1.30 - 1.50 g/cm3
Relative density:	1.05 - 1.25
Bulk density:	600 - 900 kg/m3
Solubility in water:	insoluble

### 10. Stability and Reactivity

#### Conditions to avoid:

Avoid prolonged exposure to extreme heat.

#### Substances to avoid:

strong oxidizing agents, acids, bases

#### Hazardous reactions:

The product is chemically stable.

#### 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.

#### Corrosion to metals:

No corrosive effect on metal.

### 11. Toxicological information

#### Acute toxicity

##### Oral:

Type of value: LD50

Species: rat

Value: > 10,000 mg/kg (OECD Guideline 423)

No systemic toxicity.

##### Inhalation:

Type of value: LC50

Species: rat

No data available.

##### Dermal:

Type of value: LD50

Species: rabbit

No data available.

#### Irritation / corrosion



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*Information on: Glass, oxide, chemicals*

*Assessment of irritating effects:*

*Skin contact causes irritation. EU-classification*

### Carcinogenicity

*Information on: Glass, oxide, chemicals*

*EU-classification Results from poorly documented long-term studies in rats indicated a carcinogenic potential. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). NTP listed carcinogen*

*Information on: carbon black*

*IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown. No carcinogenic potential can be deduced from other studies with rats and mice.*

### 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.

## 12. Ecological Information

### Aquatic toxicity

*Information on: Glass, oxide, chemicals*

*Assessment of aquatic toxicity:*

*There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product. No toxic effects occur within the range of solubility.*

### Bioaccumulation

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

## 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.

## 14. Transport Information

### Land transport

USDOT

Not classified as a dangerous good under transport regulations



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### 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

**EPCRA 311/312 (Hazard categories):**                    Not hazardous;

### State regulations

<b>State RTK</b>	<b>CAS Number</b>	<b>Chemical name</b>
MA, NJ, PA	65997-17-3	Glass, oxide, chemicals
MA, NJ, PA	1333-86-4	carbon black

#### **CA Prop. 65:**

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

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## 16. Other Information

### **HMIS III rating**

Health: 1                    Flammability: 1                    Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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### **SDS Prepared by:**

BASF NA Product Regulations

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SDS Prepared on: 2013/07/25



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