

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

CHEMTREC: 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.

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.

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.

8. Exposure Controls and Personal Protection

Components with occupational exposure limits

carbon black

OSHA PEL PEL 3.5 mg/m³ ;

ACGIH TLV TWA value 3.5 mg/m³ ;

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 | (20 °C) |
| 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

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories):

Not hazardous;

State regulations

State RTK

MA, NJ, PA
MA, NJ, PA

CAS Number

65997-17-3
1333-86-4

Chemical name

Glass, oxide, chemicals
carbon black

CA Prop. 65:

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

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.

SDS Prepared by:

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SDS Prepared on: 2013/07/25



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