

Safety Data Sheet

PETRA 130

Revision date : 2013/05/08
Version: 1.0

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(30215297/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)

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: The colour is derived from the trade name.
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 concerning sensitizing effects. 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: No adverse effects have been reported in the processing and use of the product. No known chronic effects.

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.

Medical conditions aggravated by overexposure:

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product. See MSDS section 11 - Toxicological information.

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.

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]- |

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:

Rinse mouth and then drink plenty of water. Induce vomiting. Immediate medical attention required.

5. Fire-Fighting Measures

| | | |
|----------------------------|----------|-------------------|
| Flash point: | > 400 °C | (closed cup) |
| Autoignition: | | not applicable |
| Self-ignition temperature: | | not self-igniting |

Suitable extinguishing media:

water spray, dry powder, carbon dioxide, foam



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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

Personal precautions:

Use personal protective clothing.

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:

The product is capable of dust 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

Glass, oxide, chemicals

ACGIH

TWA value 5 mg/m³ Inhalable fraction ; TWA value 1
fibers/cm³ Fiber ; TWA value 1 fibers/cm³ Fiber ; TWA
value 0.2 fibers/cm³ Fiber ;

Advice on system design:

Provide local exhaust ventilation to control dusts/vapours.

Personal protective equipment

General safety and hygiene measures:

Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dust.

9. Physical and Chemical Properties

Form:

pellets

Odour:

odourless

Colour:

The colour is derived from the trade name.

pH value:

not applicable



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| | | |
|----------------------|-------------------------------|--|
| Melting temperature: | approx. 245 °C | (DIN EN ISO 3146) |
| Boiling range: | | The substance / product decomposes therefore not determined. |
| Vapour pressure: | | not applicable |
| Density: | 1.40 - 1.75 g/cm ³ | (20 °C) (EN ISO 1183-1) |
| Relative density: | 1.05 - 1.25 | |
| Bulk density: | 600 - 900 kg/m ³ | |
| Solubility in water: | | insoluble |

10. Stability and Reactivity

Conditions to avoid:

Avoid prolonged exposure to extreme heat.

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

Irritation / corrosion

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

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

Bioaccumulation

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.

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

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

CAS Number

65997-17-3

Chemical name

Glass, oxide, chemicals

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.



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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: 2013/05/08

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