1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Synonyms: POLYESTER RESIN

2. Composition/information on ingredients

CAS Number	Content (W/W)	Chemical name
25038-59-9	>= 30.0 - <= 60.0 %	Polyethyleneterephthalate (PET)
65997-17-3	>= 20.0 - <= 40.0 %	Glass, oxide, chemicals
15432-85-6	>= 0.0 - <= 5.0 %	antimony compound

3. Hazard 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.

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.
Information on: Antimony

Overexposure to Antimony dust or fumes may cause dermatitis, liver damage, severe irritation of the eyes, nasal passages, throat and lungs.

Repeated dose toxicity:
No known chronic effects.
Information on: Fiberglass

This product contains glass fibers which are compounded into the polymer matrix and thus are not expected to present the same hazards as fiberglass wool.

Information on: Fiberglass

Animal implantation studies have indicated that fiberglass wool is an animal carcinogen. A small study of Canadian glass wool workers reported a statistically significant increase in deaths due to lung cancer; however, animal inhalation studies and several large-scale studies of U.S. and European fiberglass wool workers have shown no statistically significant increases in lung cancer. The International Agency for Research on Cancer (IARC) has classified this material in Category 2B.

Information on: Fiberglass

These findings are based on glass wool, which has a smaller diameter than continous glass filament or glass fiber chopped strands or rovings. Fiberglass wool is not used in this product.

Information on: Antimony

Chronic exposures to antimony may cause indigestion, loss of appetite, diarrhea, muscular pains, and dizziness. Chronic inhalation can cause pneumonoconiosis. Cardiac complications from therapeutic use have been reported. A study of female workers exposed to antimony compounds revealed higher incidences of spontaneous abortions, premature births, and gynecological problems. ACGIH lists the production of antimonytrioxide as being suspect in causing cancer in humans. A retrospective study revealed an increased incidence of lung cancer among antimony smelter workers. IARC has included antimony in Group 2B.

4. First-aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Assist in breathing if necessary. Keep patient calm, remove to fresh air. Consult a physician.

If on skin:
Burns caused by molten material require hospital treatment.

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

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

5. Fire-fighting measures

Suitable extinguishing media:
water, foam, dry extinguishing media

Hazards during fire-fighting:
carbon monoxide, hydrogen halides can be emitted at > 310 °C
Formation of further decomposition and oxidation products depends upon the fire conditions. Under special fire conditions traces of other toxic substances are possible.

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

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

6. Accidental release measures

Cleanup:

For small amounts: Sweep/shovel up.
For large amounts: Sweep/shovel up.

Further information:
High risk of slipping due to leakage/spillage of product.

7. Handling and storage

Handling

General advice:
Avoid dust formation. Exhaust ventilation at processing machines is required during thermal processing and/or machining. Cleaning of product-contaminated machine parts with open flames should be avoided. If task are carried out with open flames, ventilation measures are mandatory.

Protection against fire and explosion:
Take precautionary measures against static discharges.

Storage

General advice:
Keep container tightly closed. Avoid deposition of dust.

Storage stability:
Protect against moisture.

8. Exposure controls and personal protection

Components with workplace control parameters

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 ;
antimony compound	OSHA	PEL 0.5 mg/m3 (antimony (Sb));
	ACGIH	TWA value 0.5 mg/m3 (antimony (Sb));

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:
Safety glasses

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

9. Physical and chemical properties

Form:	granules	
Odour:	odourless	
Colour:	various, depending on the colourant	
Melting temperature:	approx. 245 °C	(DIN EN ISO 3146)
Density:	1.40 - 1.75 g/cm3	(EN ISO 1183-1)
Bulk density:	600 - 900 kg/m3	
Solubility in water:	insoluble	

10. Stability and reactivity

Decomposition products:
Hazardous decomposition products: carbon monoxide, Danger by forming of toxic pyrolytic products.

Thermal decomposition:
> 310 °C
To avoid thermal decomposition, do not overheat.

11. Toxicological information

Chronic toxicity

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

Environmental fate and transport

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

Bioaccumulation:

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

13. Disposal considerations

Waste disposal of substance:
Check for possible recycling.
Must be dumped or incinerated in accordance with local regulations.

Container disposal:
Packs must be completely emptied. Completely emptied packagings can be given for recycling.

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

SARA hazard categories (EPCRA 311/312): Not hazardous

SARA 313:

CAS Number	Chemical name
15432-85-6	antimony compound

State regulations

State RTK

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

16. Other information

Local contact information
Tech Desk
1-800-527-8324

PETRA is a registered trademark of BASF Corporation or BASF AG
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE , IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.
END OF DATA SHEET