



The Chemical Company

HELPING MAKE PRODUCTS BETTER™

Safety data sheet

ULTRASON® E 2010 G4 UNCOLORED POLYARYLETHERSULFONE

Revision date : 2004/11/22

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Version: 1.0

(30047237/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company

BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information

CHEMTREC: (800) 424-9300
BASF HOTLINE: (800) 832-HELP

Synonyms:

Poly ether sulfone

2. Composition/information on ingredients

CAS Number

25608-63-3
65997-17-3

Content (W/W)

≥ 50.0 %
 ≤ 50.0 %

Chemical name

Polyethersulfone (PES)
Glass, oxide, chemicals

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.

Irritation:

Thermal decomposition products of the substance can irritate the eyes, skin, and respiratory tract.

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.





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Information on: Fiberglass

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

Potential environmental effects

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.

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:

Burns caused by molten material require hospital treatment.

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:

No data available.

Autoignition:

580 - 600 °C

(DIN 54836)

Suitable extinguishing media:

water, foam, dry extinguishing media

Hazards during fire-fighting:

carbon monoxide, can be emitted at > 400 °C

Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

Protective equipment for fire-fighting:

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.

6. Accidental release measures

Environmental precautions:

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





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Cleanup:

For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Pick up with suitable appliance and dispose of.

Further information:

High risk of slipping due to leakage/spillage of product.

7. Handling and storage

Handling

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place. Protect against moisture.

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 ;

Advice on system design:

Provide local exhaust ventilation to control dusts/vapours.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) particulate respirator. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Wear a NIOSH-certified (or equivalent) organic vapour/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).

General safety and hygiene measures:

none Wash soiled clothing immediately.

9. Physical and chemical properties

Form:

granules



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Odour:	odourless	
Colour:	various, depending on the colourant	
pH value:		No data available.
Density:	1.50 - 1.65 g/cm ³	(EN/ISO 1183-1)
Bulk density:	700 - 800 kg/m ³	
Solubility in water:		insoluble

10. Stability and reactivity

Conditions to avoid:

Temperature: > 400 degrees Celsius

Decomposition products:

Hazardous decomposition products: carbon monoxide, Gaseous products of degradation can be given off if the product is greatly overheated.

Thermal decomposition:

> 400 °C

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..
Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Environmental toxicity**Other ecotoxicological advice:**

none





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13. Disposal considerations

Waste disposal of substance:

Check for possible recycling.

May be disposed of or combusted with domestic refuse according to local regulations.

Contaminated packaging:

Packs must be completely emptied.

14. Transport information

Reference Bill of Lading

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US

released / listed

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

State regulations

State RTK

CAS Number

65997-17-3

Chemical name

Glass, oxide, chemicals

State RTK

MA, NJ, PA

16. Other information

Local contact information

Tech Desk

1-800-527-8324

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