

## Safety data sheet

### ULTRADUR® B 2300 G6 HR UNCOLORED POLYBUTYLENE TEREPHTHALATE

Revision date : 2008/04/17

Version: 1.0

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(30426072/MDS\_GEN\_US/EN)

#### 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

Chemical family: polyester resin

#### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
65997-17-3	>= 20.0 - <= 40.0 %	Glass, oxide, chemicals
30965-26-5	>= 20.0 - <= 40.0 %	polybutylene terephthalate (PBT)
26062-94-2	>= 20.0 - <= 40.0 %	polybutylene terephthalate (PBT) Particles, not otherwise specified, respirable

#### 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 NIOSH-certified chemical goggles.

Wear protective clothing.

Eye wash fountains and safety showers must be easily accessible.

Potential health effectsPrimary 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:

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

Repeated dose toxicity:

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No adverse effects have been reported in the processing and use of the product. 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 continuous glass filament or glass fiber chopped strands or rovings. Fiberglass wool is not used in this product.*

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.

## 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.

Suitable extinguishing media:

water, dry extinguishing media, carbon dioxide, foam

Hazards during fire-fighting:

No particular hazards known.



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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 workplace control parameters

Glass, oxide, chemicals

ACGIH	TWA value 5 mg/m3 Inhalable fraction ; TWA value 1 fibers/cm <sup>3</sup> Fiber ; TWA value 1 fibers/cm <sup>3</sup> Fiber ; TWA value 0.2 fibers/cm <sup>3</sup> Fiber ;
OSHA	PEL 5 mg/m3 Respirable fraction ;
ACGIH	TWA value 3 mg/m3 Respirable particles ;

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).



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### 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.

## 9. Physical and chemical properties

Form:	pellets	
Odour:	odourless	
Colour:	opaque	
pH value:		No data available.
softening point:	215 - 225 °C	
Relative density:	1.05 - 1.25	

## 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

### Chronic toxicity

### Other information:

No data available.

## 12. Ecological information

### Environmental fate and transport

### 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:  
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

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



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HMIS uses 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 high hazard.

### Local contact information

Tech Desk

1-800-527-8324

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