

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 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:

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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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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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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