



The Chemical Company

# Safety data sheet

## ULTRADUR® B 6550 FC NATURAL POLYBUTYLENE TEREPHTHALATE

Revision date : 2006/04/26  
Version: 1.0

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(30460888/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

Synonyms: Poly(butylene terephthalate)

### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
30965-26-5		polybutylene terephthalate (PBT)

### 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:**

Ingestion may cause gastrointestinal disturbances. Contact with molten product may cause thermal burns.

##### **Irritation:**

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

Information on: *Ultradur PBT*

*ULTRADUR PBT resin in pellet form is not expected to be hazardous.*

##### **Repeated dose toxicity:**

No known chronic effects.



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### 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

Flash point:

No data available.

Autoignition:

350 °C

(ASTM D1929)

**Suitable extinguishing media:**

water, foam, dry extinguishing media

**Hazards during fire-fighting:**

carbon monoxide, tetrahydrofuran, can be emitted at > 290 °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').

**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.



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### 7. Handling and storage

#### Handling

##### **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

#### **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.

##### **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:**

Wash soiled clothing immediately.

### 9. Physical and chemical properties

Form:	granules	
Odour:	odourless	
Colour:	white	
pH value:		No data available.
melting range:	220 - 230 °C	(DIN 53736)
Density:	1.25 - 1.35 g/cm <sup>3</sup>	(EN/ISO 1183-1)
Bulk density:	600 - 800 kg/m <sup>3</sup>	
Solubility in water:		insoluble

### 10. Stability and reactivity

#### **Conditions to avoid:**

> 290 degrees Celsius

#### **Decomposition products:**

Hazardous decomposition products: carbon monoxide, tetrahydrofuran

#### **Thermal decomposition:**



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298 - 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..

### 13. Disposal considerations

#### **Waste disposal of substance:**

Check for possible recycling.

Dispose of in accordance with national, state and 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



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### 15. Regulatory information

#### Federal Regulations

##### Registration status:

TSCA, US

released / listed

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

### 16. Other information

#### Local contact information

Tech Desk  
1-800-527-8324

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