



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.

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### 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.

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### 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                                |
| Density:             | 1.25 - 1.35 g/cm <sup>3</sup>               |
| Bulk density:        | 600 - 800 kg/m <sup>3</sup>                 |
| Solubility in water: | (DIN 53736)<br>(EN/ISO 1183-1)<br>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

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### 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.

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### 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..

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### 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.

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### 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

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### 16. Other information

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#### Local contact information

Tech Desk

1-800-527-8324

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