



The Chemical Company

# Safety data sheet

## ULTRADUR® B 6550 LN NATURAL POLYBUTYLENE TEREPHTHALATE

Revision date : 2006/04/26  
Version: 1.0

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(30133133/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

### 2. Composition/information on ingredients

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u>             |
|-------------------|----------------------|----------------------------------|
| 30965-26-5        | >= 90.0 - <= 100.0 % | 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:**

Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

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

No known chronic effects.

### 4. First-aid measures

#### **General advice:**

Remove contaminated clothing.



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**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

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.

**Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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### 6. Accidental release measures

**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.



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### 8. Exposure controls and personal protection

**Advice on system design:**  
Ensure adequate ventilation.

#### 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).

**Body protection:**  
Body protection must be chosen based on level of activity and exposure.

**General safety and hygiene measures:**  
none

### 9. Physical and chemical properties

|                      |                                     |
|----------------------|-------------------------------------|
| Form:                | granules                            |
| Odour:               | odourless                           |
| Colour:              | various, depending on the colourant |
| melting range:       | 220 - 230 °C (DIN 53736)            |
| Density:             | 1.2 - 1.35 g/cm3 (EN/ISO 1183-1)    |
| Bulk density:        | 600 - 850 kg/m3                     |
| Solubility in water: | insoluble                           |

### 10. Stability and reactivity

**Conditions to avoid:**  
> 290 degrees Celsius

**Decomposition products:**  
Hazardous decomposition products: carbon monoxide, tetrahydrofuran

### 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..

### 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

### 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

#### HMIS III rating

Health: 1

Flammability: 1

Physical hazard: 0

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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