

# Safety Data Sheet

## ULTRADUR®B4520 HIGH SPEED UNCOLORED POLYBUTYLENE TEREPHTHALATE

Revision date : 2011/05/12

Version: 1.0

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(30453682/SDS\_GEN\_US/EN)

### 1. Product and Company Identification

Company  
BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information  
CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

### 2. Hazards 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.

State of matter: solid  
Colour: various, depending on the colourant  
Odour: odourless

#### 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 / corrosion:**

Thermal decomposition products of the substance can irritate the eyes, skin, and respiratory tract.

##### **Sensitization:**

The substance is inert.

##### **Chronic toxicity:**

**Carcinogenicity:** The substance is inert.



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**Genotoxicity:** The substance is inert.

### 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.

## 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
26062-94-2	> 0.0 - < 100.0 %	polybutylene terephthalate (PBT)
30965-26-5	> 0.0 - < 100.0 %	polybutylene terephthalate (PBT)

## 4. First-Aid Measures

#### **General advice:**

Remove contaminated clothing.

#### **If on skin:**

Burns caused by molten material require hospital treatment.

## 5. Fire-Fighting Measures

Autoignition: 350 °C (ASTM D1929)  
Self-ignition temperature: not self-igniting

#### **Suitable extinguishing media:**

water spray, foam, dry powder

#### **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:**

Wear a self-contained breathing apparatus.

#### **Further information:**

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

## 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. Protect against moisture.

##### **Storage stability:**

Protect against moisture.

### 8. Exposure Controls and Personal Protection

#### Personal protective equipment

##### **General safety and hygiene measures:**

No special precautions necessary.

### 9. Physical and Chemical Properties

Form:	granules	
Odour:	odourless	
Colour:	various, depending on the colourant	
pH value:		not applicable
melting range:	220 - 230 °C	(DIN 53736)
Boiling range:		The substance / product decomposes therefore not determined.
Vapour pressure:		not applicable
Density:	1.2 - 1.35 g/cm3	( 20 °C) (EN ISO 1183-1)
Relative density:		No data available.
Bulk density:	600 - 900 kg/m3	
Solubility in water:		insoluble

### 10. Stability and Reactivity

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

Temperature: > 290 degrees Celsius

#### **Decomposition products:**

Hazardous decomposition products: carbon monoxide, tetrahydrofuran

### 11. Toxicological information

#### **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

#### Degradability / Persistence Biological / Abiological Degradation

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:

Chemical TSCA, US released / listed

#### EPCRA 311/312 (Hazard categories):

Not hazardous;



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### 16. Other Information

Recommended use: Polymer for industrial processing only  
Suitable for use in industrial sector: Polymers industry;

#### HMIS III rating

Health: 1      Flammability: 1      Physical hazard: 1

NFPA and HMIS use 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 extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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#### MSDS Prepared by:

BASF NA Product Regulations  
msds@basf.com  
MSDS Prepared on: 2011/05/12

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