



The Chemical Company

## Safety data sheet

### Ultramid<sup>®</sup> B27 06

Revision date : 2006/09/15

Version: 2.0

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(30264053/MDS\_GEN\_US/EN)

#### 1. Substance/preparation and company identification

Company  
BASF CORPORATION  
100 Campus Drive  
Florham Park, NJ 07932

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

Chemical family: polyamide  
Synonyms: Nylon 6

#### 2. Composition/information on ingredients

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|----------------------|----------------------|
| 25038-54-4        |                      | polyamide (PA 6)     |

#### 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: > 400 °C (ASTM D1929)

**Suitable extinguishing media:**

water, foam, dry extinguishing media

**Hazards during fire-fighting:**

carbon monoxide, hydrogen cyanide, can be emitted at > 300 °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

#### Personal protective equipment

##### **Respiratory protection:**

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).

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### 9. Physical and chemical properties

|                      |                               |             |
|----------------------|-------------------------------|-------------|
| Form:                | granules                      |             |
| Odour:               | odourless                     |             |
| Colour:              | colourless                    |             |
| Melting temperature: | approx. 220 °C                | (DIN 53736) |
| Density:             | 1.12 - 1.15 g/cm <sup>3</sup> | ( 20 °C)    |
| Bulk density:        | approx. 630 kg/m <sup>3</sup> |             |
| Solubility in water: |                               | insoluble   |

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### 10. Stability and reactivity

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

Temperature: > 300 degrees Celsius

#### **Decomposition products:**

Hazardous decomposition products: carbon monoxide, hydrogen cyanide

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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 toxicity

##### **Other ecotoxicological advice:**

No data can be given due to the product's insolubility in water. At the present state of knowledge, no negative ecological effects are expected.

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### 13. Disposal considerations

**Waste disposal of substance:**

Must be sent to a suitable incineration plant, observing local regulations.  
Do not discharge substance/product into sewer system.

**Container disposal:**

Packs must be completely emptied.  
Dispose of in accordance with national, state and local regulations.

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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

**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.

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**Local contact information**

Tech Desk  
1-800-527-8324

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