

# Safety data sheet

## Ultramid<sup>®</sup> B27 12

Revision date : 2006/09/15  
Version: 2.0

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(30334621/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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