



The Chemical Company

Safety data sheet

Ultramid® B27 02

Revision date : 2006/09/15

Version: 2.0

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(30256609/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

CAS Number

25038-54-4

Content (W/W)

Chemical name

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.

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.

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.

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).

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 ³	(20 °C)
Bulk density:	approx. 630 kg/m ³	
Solubility in water:		insoluble

10. Stability and reactivity

Conditions to avoid:

Temperature: > 300 degrees Celsius

Decomposition products:

Hazardous decomposition products: carbon monoxide, hydrogen cyanide

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.

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.

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

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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