



The Chemical Company

HELPING MAKE PRODUCTS BETTER™

## Safety data sheet

### ULTRAMID® B3S UNCOLORED HP POLYAMIDE

Revision date : 2004/09/17

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Version: 1.0

(30239354/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: (800) 424-9300  
BASF HOTLINE: (800) 832-HELP

Synonyms: Polyamide

#### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25038-54-4	<= 100.0 %	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:

*Information on: Caprolactam*

*No adverse effects have been reported in the processing and use of polycaprolactam.*

*The OSHA TWA and the ACGIH TLV for Caprolactam vapor are 5 ppm.*

#### 4. First-aid measures

##### General advice:

Remove contaminated clothing.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary.

##### 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.





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**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

Formation of further decomposition and oxidation products depends upon the fire conditions. Under special fire conditions traces of other toxic substances are possible.

**Further information:**

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

## 6. Accidental release measures

**Environmental precautions:**

This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

**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.

## 8. Exposure controls and personal protection



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### Personal protective equipment

**Respiratory protection:**

Wear a NIOSH-certified (or equivalent) particulate respirator. Wear respiratory protection if ventilation is inadequate.

**Hand protection:**

Wear gloves to prevent contact during mechanical processing and/or hot melt conditions.

**Eye protection:**

Tightly fitting safety goggles (chemical goggles).

**General safety and hygiene measures:**

none

## 9. Physical and chemical properties

Form:	granules
Odour:	odourless
Colour:	various, depending on the colourant
Melting temperature:	approx. 220 °C (DIN 53736)
Density:	1.00 - 1.20 g/cm <sup>3</sup> (20 °C) (EN/ISO 1183-1)
Bulk density:	500 - 800 kg/m <sup>3</sup>
Solubility in water:	insoluble

## 10. Stability and reactivity

**Decomposition products:**

Hazardous decomposition products: carbon monoxide, hydrogen cyanide

**Thermal decomposition:**

> 300 °C

## 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 fate and transport****Biodegradation:**

Evaluation: Experience shows this product to be inert and non-degradable.

**Bioaccumulation:**



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The product will not be readily bioavailable due to its consistency and insolubility in water..  
Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

## 13. Disposal considerations

### Waste disposal of substance:

Check for possible recycling.

May be disposed of or combusted with domestic refuse according to local regulations.

### Contaminated packaging:

Packs must be completely emptied. Completely emptied packagings can be given for recycling.

## 14. Transport information

Reference Bill of Lading

## 15. Regulatory information

### Federal Regulations

#### Registration status:

TSCA, US

released / listed

## 16. Other information

### Local contact information

Tech Desk

1-800-8324

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