



The Chemical Company

Safety data sheet

ULTRAMID® B3M6 BLACK 60564 POLYAMIDE

Revision date : 2006/08/02

Version: 1.0

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(30097244/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

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

Molecular formula: (C6H11NO)N
Chemical family: polyamide
Synonyms: POLYCAPROLACTAM

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25038-54-4	= 40.0 - <= 70.0 %	polyamide (PA 6)
1333-86-4	<= 1.0 %	carbon black

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 NIOSH-certified chemical goggles.
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.

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.*

Irritation:

Irritation is possible when the product comes in contact with the skin, respiratory tract or the eyes.



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Repeated dose toxicity:

No adverse effects have been reported in the processing and use of the product. No known chronic effects.
Information on: Carbon black

Prolonged inhalation exposures may produce cough, phlegm, tiredness, chest pain and headache.

Chronic exposures have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease).

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.
Immediate medical attention required.

If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed:

Ingestion is not likely in the available physical form. If ingested, seek medical attention.

5. Fire-fighting measures

Flash point:

> 400 °C

(Unspecified)

Autoignition:

No data available.

Suitable extinguishing media:

water, dry extinguishing media, carbon dioxide, foam

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Environmental precautions:

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

Cleanup:

Reclaim for processing if possible. Sweep/shovel up. Place into suitable containers for reuse or disposal in a licensed facility.



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7. Handling and storage

Handling

Protection against fire and explosion:

No explosion proofing necessary.

Storage

General advice:

Keep container tightly closed.

8. Exposure controls and personal protection

Components with workplace control parameters

carbon black	OSHA	PEL 3.5 mg/m ³ ;
	ACGIH	TWA value 3.5 mg/m ³ ;

Advice on system design:

Provide local exhaust ventilation to control dusts/vapours.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. 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).

General safety and hygiene measures:

Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dust. Wash soiled clothing immediately.

9. Physical and chemical properties

Form:	pellets
Odour:	odourless
Colour:	black
pH value:	No data available.

10. Stability and reactivity

Decomposition products:

hydrogen cyanide, carbon monoxide, ammonia

Thermal decomposition:

> 300 °C



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11. Toxicological information

12. Ecological information

13. Disposal considerations

Waste disposal of substance:

Incinerate in a licensed facility.

Do not discharge substance/product into sewer system.

Container disposal:

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

State regulations

State RTK

CAS Number
1333-86-4

Chemical name
carbon black

State RTK
MA, NJ, PA

16. Other information

HMIS III rating

Health: 1

Flammability: 1

Physical hazard: 0



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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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