



The Chemical Company

## Safety data sheet

### ULTRAMID® B3GM35 BLACK Q649 23220 POLYAMIDE

Revision date : 2008/02/05

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Version: 1.1

(30211036/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

Chemical family:

polyamide

Synonyms:

POLYCAPROLACTAM

#### 2. Composition/information on ingredients

CAS Number

25038-54-4

1333-86-4

65997-17-3

Content (W/W)

$\geq 30.0 - \leq 60.0$  %

$\geq 1.0 - \leq 5.0$  %

$\geq 7.0 - \leq 15.0$  %

Chemical name

polyamide (PA 6)

carbon black

Glass, oxide, chemicals

#### 3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Ensure adequate ventilation.

Wear NIOSH-certified chemical goggles.

Wear chemical resistant protective gloves.

Eye wash fountains 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.

**Irritation:**

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

**Repeated dose toxicity:**

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

*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).*



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### Information on: Fiberglass

*This product contains glass fibers which are compounded into the polymer matrix and thus are not expected to present the same hazards as fiberglass wool.*

### Information on: Fiberglass

*Animal implantation studies have indicated that fiberglass wool is an animal carcinogen. A small study of Canadian glass wool workers reported a statistically significant increase in deaths due to lung cancer; however, animal inhalation studies and several large-scale studies of U.S. and European fiberglass wool workers have shown no statistically significant increases in lung cancer. The International Agency for Research on Cancer (IARC) has classified this material in Category 2B.*

### Information on: Fiberglass

*These findings are based on glass wool, which has a smaller diameter than continuous glass filament or glass fiber chopped strands or rovings. Fiberglass wool is not used in this product.*

### Medical conditions aggravated by overexposure:

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.  
See MSDS section 11 - Toxicological information.

## 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').



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### Cleanup:

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

## 7. Handling and storage

### Handling

#### Protection against fire and explosion:

No explosion proofing necessary.

### Storage

#### General advice:

Keep container tightly closed. Avoid deposition of dust.

#### Storage stability:

Protect against moisture.

## 8. Exposure controls and personal protection

### Components with workplace control parameters

|                         |       |                                                                                                                                                                           |
|-------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| carbon black            | OSHA  | PEL 3.5 mg/m3 ;                                                                                                                                                           |
|                         | ACGIH | TWA value 3.5 mg/m3 ;                                                                                                                                                     |
| Glass, oxide, chemicals | ACGIH | TWA value 5 mg/m3 Inhalable fraction ; TWA value 1 fibers/cm <sup>3</sup> Fiber ; TWA value 1 fibers/cm <sup>3</sup> Fiber ; TWA value 0.2 fibers/cm <sup>3</sup> Fiber ; |

### Advice on system design:

Provide local exhaust ventilation to control dusts/vapours.

### 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:

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. |
| Relative density: | 1.2 - 1.6 |                    |



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### 10. Stability and reactivity

**Conditions to avoid:**

Avoid prolonged exposure to extreme heat.

**Substances to avoid:**

strong oxidizing agents, acids, bases

**Hazardous reactions:**

The product is chemically stable.

**Decomposition products:**

Possible thermal decomposition products:  
hydrogen cyanide, carbon monoxide, ammonia

**Thermal decomposition:**

> 300 °C

May decompose if overheated and/or subjected to prolonged heating.

**Corrosion to metals:**

No corrosive effect on metal.

### 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



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### 15. Regulatory information

#### Federal Regulations

##### Registration status:

TSCA, US

released / listed

**SARA hazard categories (EPCRA 311/312):** Not hazardous

#### State regulations

##### State RTK

##### CAS Number

1333-86-4

65997-17-3

##### Chemical name

carbon black

Glass, oxide, chemicals

##### State RTK

MA, NJ, PA

MA, NJ, PA

##### **CA Prop. 65:**

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

### 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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