

# Safety Data Sheet

## ULTRAMID® B3WG6 BLACK 00564 BGVW POLYAMIDE

Revision date : 2009/10/16

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Version: 1.0

(30045542/SDS\_GEN\_US/EN)

### 1. Product 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: (C6 H11 NO)N  
Chemical family: polyamide  
Synonyms: POLYCAPROLACTAM

### 2. Hazards 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.

State of matter: solid  
Colour: various, depending on the colourant  
Odour: odourless

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.

**Irritation / corrosion:**

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

**Sensitization:**

The substance is inert.

**Chronic toxicity:**

**Repeated dose toxicity:** No adverse effects have been reported in the processing and use of the product.



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**Genotoxicity:** The substance is inert.

### Potential environmental effects

**Aquatic toxicity:**

The product has not been tested. The statement has been derived from the structure of the product. There is a high probability that the product is not acutely harmful to aquatic organisms.

**Degradation / environmental fate:**

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

## 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25038-54-4	> 60.0 - < 80.0 %	Nylon 6
65997-17-3	> 20.0 - < 40.0 %	Glass, oxide, chemicals
1333-86-4	< 1.0 %	carbon black

## 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. Consult a physician.

**If on skin:**

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

**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. Consult a physician.

## 5. Fire-Fighting Measures

Flash point:	> 400 °C	(Unspecified)
Autoignition:	> 400 °C	(ASTM D1929)
Self-ignition temperature:		not self-igniting

**Suitable extinguishing media:**

water, foam, dry extinguishing media, carbon dioxide

**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.

**Further information:**

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



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### 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.

**Further information:**

High risk of slipping due to leakage/spillage of product.

### 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. Protect against moisture.

**Storage stability:**

Protect against moisture.

### 8. Exposure Controls and Personal Protection

**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).

**Body protection:**

Body protection must be chosen based on level of activity and exposure.

**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:

various, depending on the colourant

pH value:

not applicable



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Melting temperature:	approx. 220 °C	(DIN 53765)
Boiling range:		The substance / product decomposes therefore not determined.
Vapour pressure:		not applicable
Density:	1.10 - 1.60 g/cm3	( 20 °C) (EN ISO 1183-1)
Relative density:	1.05 - 1.25	
Bulk density:	500 - 800 kg/m3	
Solubility in water:		insoluble

### 10. Stability and Reactivity

**Substances to avoid:**

strong oxidizing agents, acids, bases

**Decomposition products:**

Hazardous decomposition products: carbon monoxide, hydrogen cyanide

**Thermal decomposition:**

> 300 °C

**Corrosion to metals:**

No corrosive effect on metal.

### 11. Toxicological information

**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

**Degradability / Persistence**

**Biological / Abiological Degradation**

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

**Bioaccumulation**

The product will not be readily bioavailable due to its consistency and insolubility in water.

### 13. Disposal considerations

**Waste disposal of substance:**

Check for possible recycling. Dispose of in a licensed facility. Observe all local regulations.

**Container disposal:**

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

### 14. Transport Information



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### 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:

Chemical TSCA, US released / listed

#### EPCRA 311/312 (Hazard categories):

Not hazardous;

### State regulations

#### State RTK

MA, NJ, PA

MA, NJ, PA

#### CAS Number

65997-17-3

1333-86-4

#### Chemical name

Glass, oxide, chemicals

carbon black

#### 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

NFPA and HMIS use 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 extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

BASF supports worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.



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### Local Contact Information

Tech Desk

+1 800 5278324

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