

# Safety Data Sheet

## ULTRAMID® 8333GHIHS BK106 POLYAMIDE

Revision date : 2009/09/22

Version: 1.0

Page: 1/6

(30216632/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

Synonyms: POLYAMIDE RESIN

### 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 protective clothing.

Eye wash fountains and safety showers must be easily accessible.

State of matter: solid

Colour: black

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:**

No data available concerning sensitizing effects. provisional classification.

##### **Chronic toxicity:**

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

**Genotoxicity:** No data available concerning mutagenic effects. provisional classification.



# Safety Data Sheet

## ULTRAMID® 8333GHIHS BK106 POLYAMIDE

Revision date : 2009/09/22

Version: 1.0

Page: 2/6

(30216632/SDS\_GEN\_US/EN)

### 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.

### 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:

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

## 3. Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical name
25038-54-4	> 40.0 - < 60.0 %	polyamide (PA 6)
65997-17-3	> 20.0 - < 40.0 %	Glass, oxide, chemicals
1333-86-4	> 1.0 - < 5.0 %	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. 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	(closed cup)
Autoignition:		No data available.
Self-ignition temperature:		not self-igniting

#### 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.



# Safety Data Sheet

## ULTRAMID® 8333GHIHS BK106 POLYAMIDE

Revision date : 2009/09/22  
Version: 1.0

Page: 3/6  
(30216632/SDS\_GEN\_US/EN)

### 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.

### 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

#### **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:	not applicable
Melting temperature:	approx. 220 °C (DIN 53765)
Boiling range:	The substance / product decomposes therefore not determined.
Vapour pressure:	not applicable
Relative density:	1.05 - 1.25
Bulk density:	500 - 800 kg/m <sup>3</sup>



# Safety Data Sheet

## ULTRAMID® 8333GHIHS BK106 POLYAMIDE

Revision date : 2009/09/22  
Version: 1.0

Page: 4/6  
(30216632/SDS\_GEN\_US/EN)

Solubility in water: insoluble

### 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

**Repeated dose toxicity**

*Information on: Carbon black*

*Assessment of repeated dose toxicity:*

*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).*

*Information on: Fiberglass*

*Information on: Fiberglass*

*Information on: Fiberglass*

*Information on: Caprolactam*

*Assessment of repeated dose toxicity:*

*May affect the liver and kidneys as indicated in animal studies.*

**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

**Bioaccumulation**

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



# Safety Data Sheet

## ULTRAMID® 8333GHIHS BK106 POLYAMIDE

Revision date : 2009/09/22  
Version: 1.0

Page: 5/6  
(30216632/SDS\_GEN\_US/EN)

### 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:**  
Chemical                    TSCA, US            released / listed

**EPCRA 311/312 (Hazard categories):**                    Not hazardous;

**State regulations**

<b>State RTK</b>	<b>CAS Number</b>	<b>Chemical name</b>
MA, NJ, PA	65997-17-3	Glass, oxide, chemicals
MA, NJ, PA	1333-86-4	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



# Safety Data Sheet

## ULTRAMID® 8333GHIHS BK106 POLYAMIDE

Revision date : 2009/09/22

Version: 1.0

Page: 6/6

(30216632/SDS\_GEN\_US/EN)

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.

---

### Local Contact Information

Tech Desk

1-800-527-8324

ULTRAMID® 8333GHIHS BK106 POLYAMIDE is a registered trademark of BASF Corporation or BASF SE  
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN  
ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR  
GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE  
RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR  
PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR  
IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR  
PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION  
SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT  
INFRINGEMENT THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE  
DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR  
TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT  
THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE  
GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS,  
DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED  
AT YOUR RISK.

END OF DATA SHEET

