

# Safety data sheet

## ULTRAMID® 8350HS BK102 POLYAMIDE

Revision date : 2009/07/10

Version: 1.0

Page: 1/6

(30215465/SDS\_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: POLYAMIDE RESIN

### 2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25038-54-4	> 60.0 - < 80.0 %	polyamide (PA 6)
28516-43-0	> 10.0 - < 30.0 %	2-Propenoic acid, 2-methyl-, polymer with ethene, zinc salt
105-60-2	< 1.0 %	caprolactam
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 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. The resin in pelleted form poses a low hazard.

##### **Irritation:**

Prolonged contact with the product can result in skin irritation. 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.

##### **Repeated dose toxicity:**



# Safety data sheet

## ULTRAMID® 8350HS BK102 POLYAMIDE

Revision date : 2009/07/10  
Version: 1.0

Page: 2/6  
(30215465/SDS\_GEN\_US/EN)

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).*

*Information on: Caprolactam*

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

### 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.

---

## 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.
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® 8350HS BK102 POLYAMIDE

Revision date : 2009/07/10  
Version: 1.0

Page: 3/6  
(30215465/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

#### Components with workplace control parameters

caprolactam	ACGIH	TWA value 5 mg/m <sup>3</sup> Inhalable fraction and vapor ;
carbon black	OSHA	PEL 3.5 mg/m <sup>3</sup> ;
	ACGIH	TWA value 3.5 mg/m <sup>3</sup> ;

#### **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. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Wear a NIOSH-certified (or equivalent) organic vapour/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



# Safety data sheet

## ULTRAMID® 8350HS BK102 POLYAMIDE

Revision date : 2009/07/10  
Version: 1.0

Page: 4/6  
(30215465/SDS\_GEN\_US/EN)

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>	
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

**Chronic toxicity****Genetic toxicity:**

No data available concerning mutagenic effects.  
provisional classification.

### 12. Ecological information

**Environmental fate and transport****Biodegradation:**

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

### 13. Disposal considerations

**Waste disposal of substance:**

Incinerate in a licensed facility.

Do not discharge substance/product into sewer system.



# Safety data sheet

## ULTRAMID® 8350HS BK102 POLYAMIDE

Revision date : 2009/07/10

Version: 1.0

Page: 5/6

(30215465/SDS\_GEN\_US/EN)

### 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

**CERCLA RQ**  
1000 LBS

**CAS Number**  
140-88-5

**Chemical name**  
ethyl acrylate

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

### State regulations

#### State RTK

**CAS Number**  
28516-43-0  
105-60-2  
1333-86-4

**Chemical name**  
2-Propenoic acid, 2-methyl-, polymer with ethene, zinc salt  
caprolactam  
carbon black

**State RTK**  
NJ  
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.



# Safety data sheet

## ULTRAMID® 8350HS BK102 POLYAMIDE

Revision date : 2009/07/10

Version: 1.0

Page: 6/6

(30215465/SDS\_GEN\_US/EN)

### Local contact information

Tech Desk

1-800-527-8324

ULTRAMID® 8350HS BK102 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

