

Safety Data Sheet

ULTRAMID® A3EG7 BLACK 23189 POLYAMIDE

Revision date : 2009/12/28

Version: 1.0

Page: 1/6

(30100491/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

Chemical family: polyamide
Synonyms: POLY(HEXAMETHYLENE ADIPAMIDE)

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: 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.



Safety Data Sheet

ULTRAMID® A3EG7 BLACK 23189 POLYAMIDE

Revision date : 2009/12/28

Version: 1.0

Page: 2/6

(30100491/SDS_GEN_US/EN)

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

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
32131-17-2	= 40.0 - <= 70.0 %	polyamide (PA 66)
65997-17-3	= 30.0 - <= 60.0 %	Glass, oxide, chemicals

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:

The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Wear self-contained breathing apparatus and chemical-protective clothing.



Safety Data Sheet

ULTRAMID® A3EG7 BLACK 23189 POLYAMIDE

Revision date : 2009/12/28

Version: 1.0

Page: 3/6

(30100491/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.

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).

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. 260 °C	(DIN 53765)
Relative density:	1.2 - 1.6	
Bulk density:	500 - 800 kg/m ³	
Solubility in water:		insoluble



Safety Data Sheet

ULTRAMID® A3EG7 BLACK 23189 POLYAMIDE

Revision date : 2009/12/28

Version: 1.0

Page: 4/6

(30100491/SDS_GEN_US/EN)

10. Stability and Reactivity

Conditions to avoid:

Avoid prolonged exposure to extreme heat.

Hazardous reactions:

The product is chemically stable.

Decomposition products:

hydrogen cyanide, carbon monoxide, ammonia

Thermal decomposition:

> 300 °C

Corrosion to metals:

No corrosive effect on metal.

11. Toxicological information

Acute toxicity

Information on: carbon black

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Irritation / corrosion

Information on: carbon black

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes. Prolonged exposure to the product can result in irritation of the skin and mucous membranes.

Repeated dose toxicity

Information on: carbon black

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity. Investigations using experimental animals show that the material can cause lung tissue changes following inhalation.

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).

Carcinogenicity

Information on: Glass, oxide, chemicals

IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

Information on: carbon black

IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown.

Other Information:



Safety Data Sheet

ULTRAMID® A3EG7 BLACK 23189 POLYAMIDE

Revision date : 2009/12/28

Version: 1.0

Page: 5/6

(30100491/SDS_GEN_US/EN)

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

Aquatic toxicity

Information on: Glass, oxide, chemicals

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product. No toxic effects occur within the range of solubility.

Information on: carbon black

Assessment of aquatic toxicity:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Bioaccumulation

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

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



Safety Data Sheet

ULTRAMID® A3EG7 BLACK 23189 POLYAMIDE

Revision date : 2009/12/28

Version: 1.0

Page: 6/6

(30100491/SDS_GEN_US/EN)

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

State regulations

State RTK
MA, NJ, PA

CAS Number
65997-17-3

Chemical name
Glass, oxide, chemicals

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.

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Local Contact Information

Tech Desk
+1 800 5278324

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