

Safety data sheet

ULTRAMID® A3WGM53 BLACK 20560 POLYAMIDE

Revision date : 2005/03/23

Version: 1.0

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(30045136/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: (800) 424-9300
BASF HOTLINE: (800) 832-HELP

Molecular formula: (C12 H22 N2 O2)N
Chemical family: polyamide
Synonyms: POLY(HEXAMETHYLENE ADIPAMIDE)

2. Composition/information on ingredients

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|----------------------|----------------------|
| 32131-17-2 | < 40.0 % | polyamide (PA 66) |
| 25038-54-4 | < 20.0 % | polyamide (PA 6) |

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 NIOSH-certified chemical goggles.

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.

Repeated dose toxicity:

No known chronic effects.



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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:

Burns caused by molten material require hospital treatment.

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:

> 400 °C

(ASTM D1929)

Suitable extinguishing media:

water, foam, dry extinguishing media

Decomposition products:

carbon monoxide, hydrogen cyanide, can be emitted at > 310 °C

Formation of further decomposition and oxidation products depends upon the fire conditions. Under special fire conditions traces of other toxic substances are possible.

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.

Further information:

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

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:

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Further information:

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

7. Handling and storage

Handling

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed.

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. 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:

Wash soiled clothing immediately.

9. Physical and chemical properties

| | |
|----------------------|---|
| Form: | granules |
| Odour: | odourless |
| Colour: | various, depending on the colourant |
| pH value: | No data available. |
| Melting temperature: | approx. 260 °C (DIN 53736) |
| Density: | 1.15 - 1.60 g/cm ³ (20 °C) (EN/ISO 1183-1) |



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Bulk density: 500 - 800 kg/m3
Solubility in water: insoluble

10. Stability and reactivity

Decomposition products:

Hazardous decomposition products: carbon monoxide, hydrogen cyanide

Thermal decomposition:

> 310 °C

11. Toxicological information

Chronic toxicity**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

Environmental fate and transport**Biodegradation:**

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

Bioaccumulation:

Because of the product's consistency and low water solubility, bioavailability is improbable. Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

13. Disposal considerations

Waste disposal of substance:

Check for possible recycling.

May be disposed of or combusted with domestic refuse according to local regulations.

Container disposal:

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





The Chemical Company

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14. Transport information

Reference Bill of Lading

Land transport USDOT

Not dangerous goods

Sea transport IMDG

Not dangerous goods

Air transport IATA/IMO

Not dangerous goods

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US

released / listed

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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