

Safety data sheet

T162

Revision date : 2007/01/17
Version: 1.0

Page: 1/5
(30500785/MDS_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

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
1344-28-1	>= 99.0 - <= 100.0 %	Aluminum oxide

3. Hazard identification

Emergency overview

CAUTION: Forms slippery surfaces with water.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
Avoid contact with the skin, eyes and clothing.
Avoid inhalation of dusts.
Use with local exhaust ventilation.
Wear a NIOSH-certified (or equivalent) particulate respirator.
Wear safety glasses with side-shields.
Wear chemical resistant protective gloves.
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.

4. First-aid measures

If inhaled:

Keep patient calm, remove to fresh air. If necessary, give oxygen. If not breathing, give artificial respiration. Seek medical attention if necessary.

Safety data sheet

T162

Revision date : 2007/01/17

Version: 1.0

Page: 2/5

(30500785/MDS_GEN_US/EN)

If on skin:

After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists.

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 immediate medical attention.

If swallowed:

No hazards anticipated. If large quantities are ingested, seek medical advice.

5. Fire-fighting measures

Additional information:

Use extinguishing measures to suit surroundings.

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:

Wear self-contained breathing apparatus and chemical-protective clothing.

NFPA Hazard codes:

Health : 1 Fire: 0 Reactivity: 1 Special:

6. Accidental release measures

Personal precautions:

Wear suitable personal protective clothing and equipment.

Environmental precautions:

No special precautions necessary.

Cleanup:

Avoid raising dust. Vacuum up spilled product. Place into suitable container for disposal.

7. Handling and storage

Handling

General advice:

Avoid raising dust. Avoid contact with skin and eyes. Ensure adequate ventilation.

Storage

General advice:

Keep container tightly closed in a cool, well-ventilated place.

Storage stability:

Keep container dry.

8. Exposure controls and personal protection

Components with workplace control parameters

Safety data sheet

T162

Revision date : 2007/01/17

Page: 3/5

Version: 1.0

(30500785/MDS_GEN_US/EN)

Aluminum oxide	OSHA	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 ;

Advice on system design:

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Wear appropriate certified respirator when exposure limits may be exceeded.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

Body protection:

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

General safety and hygiene measures:

Do not eat, drink or use tobacco while working.

9. Physical and chemical properties

Form:	powder, spheres	
Odour:	odourless	
Colour:	white	
Melting point:	2,053 °C	
Solubility in water:		insoluble

10. Stability and reactivity

Hazardous reactions:

The product is chemically stable.

Reacts with water and basic components to generate heat.

11. Toxicological information

Chronic toxicity

Other information:

No data available.

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:

No data available.

Safety data sheet

T162

Revision date : 2007/01/17

Version: 1.0

Page: 4/5

(30500785/MDS_GEN_US/EN)

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with local authority regulations.

Check for possible recycling.

Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

Empty contaminated containers/packaging must be handled according to applicable regulations for the hazardous properties of the contaminating material.

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

OSHA hazard category:

Chronic target organ effects reported, ACGIH TLV established

SARA hazard categories (EPCRA 311/312): Acute, Chronic

SARA 313:

CAS Number

1344-28-1

Chemical name

Aluminum oxide

State regulations

State RTK

CAS Number

1344-28-1

Chemical name

Aluminum oxide

State RTK

MA, NJ, PA

Safety data sheet

T162

Revision date : 2007/01/17

Page: 5/5

Version: 1.0

(30500785/MDS_GEN_US/EN)

16. Other information

HMIS III rating

Health: 1 Flammability: 0 Physical hazard: 1

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

prod_reg@basf.com

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