

Safety data sheet

Sorbead® R 2050

Revision date : 2009/04/07

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Version: 1.0

(30500137/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

Molecular weight: 162.05 g/mol

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
1327-36-2	100.0 %	Aluminatesilicate

3. Hazard identification

Emergency overview

CAUTION: Contact with the eyes or skin may cause mechanical irritation.
Avoid contact with the skin, eyes and clothing.
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.

Acute toxicity:

Virtually nontoxic after a single ingestion.

Irritation:

Not irritating to eyes and skin.

Sensitization:

Skin sensitizing effects were not observed in animal studies.

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4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:

Wash thoroughly with soap and water. If symptoms persist, seek medical advice.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

If swallowed:

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

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Flash point: not applicable
Self-ignition temperature: not self-igniting

Suitable extinguishing media:

carbon dioxide, dry powder, foam, water

Hazards during fire-fighting:

toxic vapours

No particular hazards known.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

NFPA Hazard codes:

Health : 1 Fire: 0 Reactivity: 0 Special:

6. Accidental release measures

Personal precautions:

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, chapter 8.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

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Cleanup:

Contain spillage. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Avoid raising dust.

7. Handling and storage

Handling

General advice:

Avoid dust formation.

Keep container tightly closed. Avoid dust formation. Avoid inhalation of dusts/mists/vapours. Avoid contact with the skin, eyes and clothing. Ensure adequate ventilation.

Storage

General advice:

Keep container tightly closed. Keep in a cool place.
Keep container tightly closed and dry; store in a cool place.

Storage stability:

Contents are stable at room temperature.

8. Exposure controls and personal protection

Advice on system design:

Provide local exhaust ventilation to control dust.

Personal protective equipment

Respiratory protection:

Breathing protection if dusts are formed. Wear a NIOSH-certified (or equivalent) particulate respirator.

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:

Avoid contact with the skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or use tobacco while working.

9. Physical and chemical properties

Form:	beads	
Odour:	odourless	
Colour:	light brown to brown	
pH value:	4	
Freezing point:	> 1,000 °C	
Boiling point:	2,980 °C	
Vapour pressure:		not applicable
Bulk density:	400 - 900 kg/m ³	

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Partitioning coefficient
n-octanol/water (log Pow):
Solubility in water:

The value has not be determined because
the substance is inorganic.
not soluble

10. Stability and reactivity

Conditions to avoid:

Avoid dust formation. Avoid deposition of dust.

Substances to avoid:

water

Hazardous reactions:

The product is chemically stable.
No hazardous reactions known.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products known.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: > 5,000 mg/kg (OECD Guideline 401)

The product has not been tested. The statement has been derived from the properties of the individual components.

Skin irritation:

rabbit: non-irritant (OECD Guideline 404)

The product has not been tested. The statement has been derived from the properties of the individual components.

Eye irritation :

rabbit: non-irritant (OECD Guideline 405)

The product has not been tested. The statement has been derived from the properties of the individual components.

Sensitization:

Guinea pig maximization test/guinea pig: Non-sensitizing.

The product has not been tested. The statement has been derived from products of a similar structure and composition.

Buehler test/guinea pig: Non-sensitizing.

The product has not been tested. The statement has been derived from products of a similar structure and composition.

Chronic toxicity

Genetic toxicity:

The substance was not mutagenic in bacteria.

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12. Ecological information

Environmental toxicity

Other ecotoxicological advice:

The product has not been tested. No data can be given due to the product's insolubility in water.

13. Disposal considerations

Container disposal:

Dispose of in accordance with national, state and local regulations. Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product. Contact manufacturer regarding recycling.

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:

AICS, AU

released / listed

OSHA hazard category:

Not hazardous

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

16. Other information

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HMIS III rating

Health: 1 Flammability: 0 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

prod_reg@basf.com

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