

Safety data sheet

Salt Gel[®]

Revision date : 2008/09/17
Version: 1.1

Page: 1/6
(30455273/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: 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>
12174-11-7	90.0 - 99.0 %	Palygorskite ($[\text{Mg}(\text{Al}_{0.5-1}\text{Fe}_{0-0.5})\text{Si}_4(\text{OH})\text{O}_{10}\cdot 4\text{H}_2\text{O}]$)
14808-60-7	1.0 - 10.0 %	crystalline silica
1309-48-4	<= 2.0 %	magnesium oxide

3. Hazard identification

Emergency overview

CAUTION:

May cause cancer by inhalation.

The International Agency for Research on Cancer (IARC) has classified this substance as group 3, not classifiable as to its carcinogenicity to humans.

Prolonged and repeated exposure of dust may cause lung damage.

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.

Irritation:

Contact with powders or dusts may irritate the eyes, skin and respiratory tract.

Repeated dose toxicity:

NIOSH has studied the exposure effects of Attapulgite, which contains crystalline silica, on pulmonary function and has determined that there is no evidence of significant respiratory morbidity.

Information on: crystalline silica

This product may contain greater than 0.1% crystalline silica.

Repeated exposure to high concentrations results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illnesses.

Potential environmental effects

Aquatic toxicity:

Safety data sheet

Salt Gel[®]

Revision date : 2008/09/17
Version: 1.1

Page: 2/6
(30455273/MDS_GEN_US/EN)

At the present state of knowledge, no negative ecological effects are expected.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

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

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

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

5. Fire-fighting measures

Flash point:

Non-flammable.

Additional information:

Use extinguishing measures to suit surroundings.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Avoid dust formation. Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Avoid raising dust.

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

For large amounts: Contain with dust binding material and dispose of.

Safety data sheet

Salt Gel[®]

Revision date : 2008/09/17
Version: 1.1

Page: 3/6
(30455273/MDS_GEN_US/EN)

7. Handling and storage

Handling

General advice:

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Forms slippery surfaces with water.

Protection against fire and explosion:

No special precautions necessary.

Storage

General advice:

Keep container tightly closed.

8. Exposure controls and personal protection

Components with workplace control parameters

crystalline silica	OSHA	TWA value 2.4 millions of particles per cubic foot of air Respirable ; TWA value 0.1 mg/m ³ Respirable ; TWA value 0.3 mg/m ³ Total dust ;
	ACGIH	TWA value 0.025 mg/m ³ Respirable fraction ;
magnesium oxide	OSHA	PEL 15 mg/m ³ Total particulate ;
	ACGIH	TWA value 10 mg/m ³ Inhalable fraction ;

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. In order to prevent contamination while handling, closed working clothes and working gloves should be used.

9. Physical and chemical properties

Form:	powder	
Odour:	odourless	
Colour:	tan greyish	
pH value:	9.5	
Vapour pressure:		No data available.
Density:	2.35 g/cm ³	
Bulk density:	368 - 880 kg/m ³	
Solubility in water:		insoluble

10. Stability and reactivity

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.

Decomposition products:

Safety data sheet

Salt Gel[®]

Revision date : 2008/09/17
Version: 1.1

Page: 4/6
(30455273/MDS_GEN_US/EN)

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

Acute toxicity

Oral:

No data available concerning acute toxicity.

Inhalation:

No data available concerning acute toxicity.

Dermal:

No data available concerning acute toxicity.

Eye irritation :

Information on: crystalline silica
May cause slight but temporary irritation to the eyes.

Chronic toxicity

Carcinogenicity:

The International Agency for Research on Cancer (IARC) has classified this substance as group 3, not classifiable as to its carcinogenicity to humans.
This product contains crystalline silica (quarz).

Information on: Palygorskite ([Mg(Al_{0.5}-1Fe_{0-0.5})]Si₄(OH)O₁₀.4H₂O)
The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

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 toxicity

Other ecotoxicological advice:

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

13. Disposal considerations

Waste disposal of substance:

Dispose of in a licensed facility.

Do not discharge into drains/surface waters/groundwater.

It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Safety data sheet

Salt Gel[®]

Revision date : 2008/09/17
Version: 1.1

Page: 5/6
(30455273/MDS_GEN_US/EN)

Container disposal:

Dispose of in a licensed facility. Empty containers or liners may retain product residues. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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: IARC 1, 2A or 2B carcinogen, NTP listed carcinogen, Chronic target organ effects reported, OSHA PEL established, ACGIH TLV established

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

State regulations

State RTK

CAS Number

14808-60-7

1309-48-4

Chemical name

crystalline silica

magnesium oxide

State RTK

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 $\frac{1}{2}$ 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.

Safety data sheet

Salt Gel[®]

Revision date : 2008/09/17
Version: 1.1

Page: 6/6
(30455273/MDS_GEN_US/EN)

Local contact information

prod_reg@basf.com

Salt Gel 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 INFRINGING 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