

Safety Data Sheet

Salt Gel

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Version: 1.2

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(30329538/SDS_GEN_US/EN)

1. Product and Company Identification

Agri-Empressa, LLC
6001 W. Industrial Ave.
Midland, TX 79706

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300

Synonyms: Attapulgite Clay

2. Hazards 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.

State of matter: solid
Colour: tan
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:

Virtually nontoxic after a single ingestion.

Irritation / corrosion:

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

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 (quartz).

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.

Potential environmental effects

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Degradation / environmental fate:
Inorganic product which cannot be eliminated from water by biological purification processes

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
8031-18-3	90.0 - 99.0 %	Fuller's earth
14808-60-7	1.0 - 10.0 %	crystalline silica
1309-48-4	1.0 - 2.0 %	magnesium oxide

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.

if irritation develops, seek medical attention.

If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention.

Note to physician

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

5. Fire-Fighting Measures

Flash point: Non-flammable

Suitable extinguishing media:
dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear

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.

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6. Accidental release measures

Personal precautions:

Avoid dust formation. Ensure adequate ventilation. 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.

7. Handling and Storage

Handling

General advice:

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

No special precautions necessary.

Storage

General advice:

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

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 ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation. TWA value 0.1 mg/m3 Respirable ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation. TWA value 0.3 mg/m3 Total dust ; The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.
magnesium oxide	ACGIH OSHA ACGIH	TWA value 0.025 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total particulate ; TWA value 10 mg/m3 Inhalable fraction ;

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Eye protection:

Safety glasses with side-shields.

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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	
pH value:	8.0 - 9.5	(as suspension)
Vapour pressure:		No data available.
Density:	> 1.0 g/cm ³	(approx. 20 °C)
Bulk density:	368 - 880 kg/m ³	
Viscosity, dynamic:		not applicable
Solubility in water:		insoluble

10. Stability and Reactivity

Conditions to avoid:

Caution: Calcined Attapulgite products are sold at 1%-9% free surface moisture depending on the grade. In contact with turpentine, vegetable oil and other unsaturated organic compounds, heat may be generated when the Attapulgite is at uncommonly low free moisture levels.

Substances to avoid:

unsaturated organic compounds, vegetable oils

Hazardous reactions:

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

Decomposition products:

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

11. Toxicological information

Acute toxicity

Inhalation:

No data available concerning acute toxicity.

Dermal:

No data available concerning acute toxicity.

Irritation / corrosion:

Eye:

Information on: crystalline silica

May cause slight but temporary irritation to the eyes.

Repeated dose toxicity

Information on: crystalline silica

Assessment of repeated dose toxicity:

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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.

Carcinogenicity

*Information on: crystalline silica
The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.
NTP listed 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

Other adverse effects:

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.

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

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15. Regulatory Information

Federal Regulations

Registration status:

Chemical 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

EPCRA 311/312 (Hazard categories): Chronic;

State regulations

State RTK

MA, NJ, PA

MA, NJ, PA

CAS Number

14808-60-7

1309-48-4

Chemical name

crystalline silica

magnesium oxide

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: 0 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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MSDS Prepared by:

BASF NA Product Regulations

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MSDS Prepared on: 2010/08/16

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Due to the merger of Engelhard Corp. and BASFGroup all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

END OF DATA SHEET