Safety data for attapulgite

General

Synonyms: attapulgus clay
Use:
Molecular formula: clay-like material of variable composition, mainly consisting of silicon, aluminium and iron oxides
CAS No: 12174-11-7
EINECS No:

Physical data

Appearance:
Melting point:
Boiling point:
Vapour density:
Vapour pressure:
Density (g cm^{-3}):
Flash point:
Explosion limits:
Autoignition temperature:
Water solubility:

Stability

Stable.

Toxicology

Not expected to present a serious health hazard.

Toxicity data
(The meaning of any abbreviations which appear in this section is given here.)

Risk phrases
(The meaning of any risk phrases which appear in this section is given here.)

Transport information

(The meaning of any UN hazard codes which appear in this section is given here.)

Personal protection

Safety phrases
(The meaning of any safety phrases which appear in this section is given here.)

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY *(As Used on Label and List)* Attapulgite Products
Hydrous Magnesium Aluminum Silicate

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Milwhite, Inc.	Emergency Telephone Number 713/881-1200
Address *(Number, Street, City, State, and ZIP Code)* 7050 Portwest Drive, Suite 190	Telephone Number for Information 713/881-1200 — Fax Number 713/861-7717
Houston, TX 77024	Date Prepared 08-14-97
CAS No. 12174-11-7	Signature of Preparer *(optional)*

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% *(optional)*
Silica, crystalline (Quartz) [14808-60-7]	0.1 mg/m^3 Respirable	0.1 mg/m^3 Respirable	N/A	< 1%

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H_2O = 1)	2.35
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water: Insoluble

Appearance and Odor: Tan to grayish powder, Odorless

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Non-Flammable	N/A.	N/A	N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid: None
	Stable	X	

Incompatibility (*Materials to Avoid*): None

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization	May Occur		Conditions to Avoid: None
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	No	No

Health Hazards (*Acute and Chronic*)

Repeated inhalation over extended period of any dust, including Attapulgite, in excess of TLV may result in lung injury.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	Yes	Yes*	No

In evaluating a naturally occurring clay component of this product, the IARC has determined that the evidence for carcinogenicity was inadequate, while studies with lab animals indicate (i) No evidence of carcinoginicity and (ii) possible carcinoginicty, depending on particle size (Group 3 and Group 2B respectively).* This product contains silica which has been classified by the NTP and IARC as having sufficient evidence in humans for the carcinoginicity of inhaled crystalline silica under the conditions specified (Group 1).

* IARC Monographs, Vol. 68, 1997.

Medical Conditions Generally Aggravated by Exposure

Aggravate pre-existing conditions such as asthma.

Emergency and First Aid Procedures

Eyes: Flush with water. Inhalation: Fresh air; no other special first aid required.

Signs and Symptons of Exposure None

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Material may be swept or scooped into container for disposal. Avoid creating dust.

Waste Disposal Method

Material as shipped may be disposed of in sanitary landfill or in accordance with federal state and local regulations.

Precautions to Be Taken in Handling and Storing

Avoid unnecessary product agitation to keep dust level as much below TLV as possible.

Other Precautions

None

Section VIII — Control Measures

Respiratory Protection (*Specify Type*)

NIOSH/MSHA approved respirator

Ventilation	Local Exhaust: Yes	Special: N/A
	Mechanical (*General*): N/A	Other: N/A

Protective Gloves: None	Eye Protection: Goggles to prevent dust in eyes.

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: None

ATTAPULGITE