

SAFETY DATA SHEET

1. Identification

Product identifier	ATTAPULGITE	
Other means of identification	None.	
Recommended use	Not available.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/	Distributor information	
Manufacturer		
Company name	CETCO, an MTI Company	
Address	2870 Forbs Avenue	
	Hoffman Estates, IL 60192	
	United States	
Telephone	General Information	800 527-9948
Website	http://www.cetco.com/	
E-mail	safetydata@mineralstech.co	om
Emergency phone number	Emergency	1.866.519.4752/1 760 476 3962
Americas	1.866.519.4752 (US, Canac	la, Mexico) 1 760 476 3962

2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Carcinogenicity	Category 1A
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		



Signal word	Danger
Hazard statement	May cause cancer. Causes damage to organs through prolonged or repeated exposure.
Precautionary statement	
Prevention	Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.
Response	If exposed or concerned: Get medical advice/attention.
Storage	Store in accordance with local/regional/national regulations.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
QUARTZ	CRYSTALLINE SILICA, QUARTZ SILICA (QUARTZ)	14808-60-7	0 - < 10
Other components below r	eportable levels		90 - 100

Other components below reportable levels

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Composition comments	Occupational Exposure Limits for constituents are listed in Section 8. This product contains naturally occurring crystalline silica (not listed in Annex I of Directive 67/548/EEC) in quantities less than 10%.
4. First-aid measures	
Inhalation	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention, if needed.
Skin contact	Get medical attention if irritation develops or persists. No special measures required.
Eye contact	Flush eyes immediately with large amounts of water. If irritation persists get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention. No special measures required.
Most important symptoms/effects, acute and delayed	Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam. Use any media suitable for the surrounding fires.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.

Material can be slippery when wet.

if significant spillages cannot be contained.

after handling. Observe good industrial hygiene practices.

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

precautions required.

of the reach of children.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Use standard firefighting procedures and consider the hazards of other involved materials.

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear

appropriate protective equipment and clothing during clean-up. Wear a dust mask if dust is

The product is immiscible with water and will spread on the water surface. Stop the flow of

Avoid discharge into drains, water courses or onto the ground. No special environmental

Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment. Wash hands thoroughly

No special restrictions on storage with other products. Store in original tightly closed container.

Guard against dust accumulation of this material. No special storage conditions required. Keep out

water. Reduce airborne dust and prevent scattering by moistening with water.

material, if this is without risk. Collect dust or particulates using a vacuum cleaner with a HEPA filter. Avoid the generation of dusts during clean-up. Following product recovery, flush area with

generated above exposure limits. Ensure adequate ventilation. Local authorities should be advised

No unusual fire or explosion hazards noted. This material will not burn.

Material name: ATTAPULGITE 5706 Version #: 13 Revision date: 10-July-2023 Issue date: 12-September-2014

At this time, the other constituents have no known exposure limits.

Special protective equipment and precautions for firefighters

6. Accidental release measures

equipment/instructions

Personal precautions,

emergency procedures

protective equipment and

Methods and materials for containment and cleaning up

Environmental precautions

7. Handling and storage Precautions for safe handling

Conditions for safe storage,

including any incompatibilities

Occupational exposure limits

8. Exposure controls/personal protection

Specific methods General fire hazards

Fire fighting

Components	SINIE EXHORILE	Limits (PEL) for Air Contaminants Type	(29 CFR 1910.100 Value	Form
QUARTZ (CAS 14808-60-7)		PEL	0.05 mg/m3	Respirable dust.
US. OSHA Table Z-3 Permis Components	sible Exposure	Limits (PEL) for Mineral Dusts (29 Type	CFR 1910.1000) Value	Form
QUARTZ (CAS 14808-60-7)		TWA	0.05 mg/m3	Respirable.
			2.4 mppcf	Respirable.
Constituents		Туре	Value	Form
INERT OR NUISANCE DUSTS (CAS SEQ250)		TWA	5 mg/m3	Respirable fraction.
			15 mg/m3	Total dust.
			50 mppcf	Total dust.
			15 mppcf	Respirable fraction.
US. ACGIH Threshold Limit Components	Values (TLV)	Туре	Value	Form
QUARTZ (CAS 14808-60-7)		TWA	0.025 mg/m3	Respirable fraction.
NIOSH. Immediately Danger Components	rous to Life or I	Health (IDLH) Values, as amended Type	Value	
QUARTZ (CAS 14808-60-7)		IDLH	50 mg/m3	
· · · · · ·	Chomical Haz	ards Recommended Exposure Lim	U U	
Components		Type	Value	Form
QUARTZ (CAS 14808-60-7)		TWA	0.05 mg/m3	Respirable dust.
logical limit values	•	exposure limits noted for the ingredie		
oosure guidelines	Occupational should be more	exposure to nuisance dust (total and nitored and controlled.	respirable) and res	pirable crystalline silica
propriate engineering atrols	OEL, suitable changes per h applicable, us maintain airbo established, m any operation	measures are not sufficient to mainta respiratory protection must be worn. nour) should be used. Ventilation rate e process enclosures, local exhaust v rne levels below recommended expo- naintain airborne levels to an accepta which may generate dusts, use appr- ow the recommended exposure limits	Good general vent s should be matche ventilation, or other sure limits. If expos ble level. If materia opriate local exhau	ilation (typically 10 air ed to conditions. If engineering controls to sure limits have not been I is ground, cut, or used in
ividual protection measures, Eye/face protection	-	nal protective equipment ggles. Eye wash fountain is recomme	nded.	
Skin protection Hand protection	Wear appropr supplier.	iate chemical resistant gloves. Suitab	le gloves can be re	ecommended by the glove
Other	Use of an imp	ervious apron is recommended. No s	pecial protective ed	quipment required.
Respiratory protection	Use a particul Exposure Lim	ate filter respirator for particulate con it.	centrations exceed	ing the Occupational
Thermal hazards	Wear appropr	iate thermal protective clothing, wher	n necessary.	
			such as washing a	

9. Physical and chemical properties

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Appearance	
Physical state	Solid.
Form	Powder. Granular. or
Color	Brown to grey.
Odor	None.
Odor threshold	Not available.

рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Non-flammable
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Explosive limit - lower (%)	Non-explosive
Explosive limit - upper (%)	Not available.
Vapor pressure	-0.01 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
VOC	CARB
10 Stability and reactivity	

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Powerful oxidizers. Chlorine.
Hazardous decomposition products	None known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Due to lack of data the classification is not possible.
Eye contact	Due to lack of data the classification is not possible.
Ingestion	Due to lack of data the classification is not possible.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity		
Components	Species	Test Results
QUARTZ (CAS 14808-60-7)		
<u>Acute</u>		
Oral		
LD50	Rat	500 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Due to lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to lack of data the classification is not possible. Mild irritant to eyes (according to the modified Kay & Calandra criteria) Mild irritant to eyes (according to the modified Kay & Calandra criteria)
Respiratory or skin sensitization	
Respiratory sensitization	Due to lack of data the classification is not possible.
Skin sensitization	Due to lack of data the classification is not possible. According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
Germ cell mutagenicity	Due to lack of data the classification is not possible.
Carcinogenicity	In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk" (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica and controlled.
IARC Monographs. Overall E	valuation of Carcinogenicity
QUARTZ (CAS 14808-60 OSHA Specifically Regulated	.7) 1 Carcinogenic to humans. J Substances (29 CFR 1910.1001-1053)
Not listed.	
	gram (NTP) Report on Carcinogens
QUARTZ (CAS 14808-60-	
Reproductive toxicity	Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Due to lack of data the classification is not possible.
Chronic effects	In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)
	In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk" (SCOEL SUM Doc 94-final, June 2003)
	According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.
12. Ecological information	
Ecotoxicity	This material is not expected to be harmful to aquatic life.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.

No data available.

Mobility in soil

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations. Material should be recycled if possible.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not available. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

US federal regulations

OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable. This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No (Exempt) chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

 Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

 Not regulated.

 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

 Not regulated.

 Safe Drinking Water Act (SDWA)

 US state regulations

 WARNING: This product contains a chemical known to the State of California to cause cancer.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

QUARTZ (CAS 14808-60-7)

California Proposition 65



WARNING: This product can expose you to QUARTZ, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

QUARIZ (CAS 14808-60-7) Listed: October 1, 1988	QUARTZ (CAS 14808-60-7)	Listed: October 1, 1988
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International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

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Issue date	12-September-2014
Revision date	10-July-2023
Version #	13
Further information	This safety datasheet only contains information relating to safety and does not replace any product information or product specification. HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 3* Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 2 Flammability: 0 Instability: 0
References	ACGIH EPA: AQUIRE database NLM: Hazardous Substances Data Base US. IARC Monographs on Occupational Exposures to Chemical Agents

Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.
	Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. CETCO, an MTI Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.
Revision information	Product and Company Identification: Product and Company Identification Disposal considerations: Disposal instructions Disposal considerations: Contaminated packaging