

Section 1 Chemical Product and Company Identification

Page E1 of E2

Innovating Science® by Aldon Corporation
"cutting edge science for the classroom"

221 Rochester Street
Avon, NY 14414-9409
(585) 226-6177

CHEMTREC 24 Hour Emergency
Phone Number (800) 424-9300
For laboratory use only.
Not for drug, food or household use.

Product	DIATOMACEOUS EARTH
Synonyms	Diatomite

Section 2 Hazards Identification

Signal word: WARNING

Pictograms: GHS07 / GHS08

Target organs: Lungs, Eyes.



GHS Classification:

STOT-SE (Category 3)

STOT-RE (Category 2)

GHS Label information: Hazard statement(s):

H335: May cause respiratory irritation.

H373: May cause damage to organs (*lungs*) through prolonged or repeated exposure (*inhalation*).

Precautionary statement(s):

P260: Do not breathe dust.

P271: Use only outdoors or in a well-ventilated area.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P314: Get medical advice/attention if you feel unwell

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up

P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Ca Prop 65 - WARNING! This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%	EINECS
Diatomaceous earth, flux calcined	68855-54-9	100%	272-489-0
This product may contain up to 54% crystalline silica:			
Cristobalite	14464-46-1	<50%	238-455-4
Quartz	14808-60-7	<4%	238-878-4

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY CAUSE IRRITATION AND SORENESS IN THROAT AND NOSE. IN EXTREME EXPOSURES SOME CONGESTION MAY OCCUR. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: TEMPORARY IRRITATION OR INFLAMMATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Minimize dust generation and accumulation. Use a dust suppressant such as water. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Minimize dust generation.

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Silica, crystalline, cristobalite & α -quartz	TWA: 0.025 mg/m ³ (A2) respirable	Not listed	TWA: 0.05 mg/m ³ respirable

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

Appearance: Solid. Fine, white powder	Evaporation rate (= 1): Data not available	Partition coefficient: Data not available
Odor: No odor.	Flammability (solid/gas): Data not available.	Auto-ignition temperature: Data not available
Odor threshold: Data not available	Explosion limits: Lower / Upper: Data not available	Decomposition temperature: Data not available.
pH: Data not available	Vapor pressure (mm Hg): Data not available	Viscosity: Data not available.
Melting / Freezing point: Data not available	Vapor density (Air = 1): Data not available	Molecular formula: SiO ₂
Boiling point: Data not available	Relative density (Specific gravity): 2.3	Molecular weight: 60.09
Flash point: Data not available	Solubility(ies): Negligible in water	

Chemical stability: Stable	Hazardous polymerization: Will not occur.
Conditions to avoid: None in designed use.	
Incompatible materials: Hydrofluoric acid.	
Hazardous decomposition products: None known.	

Acute toxicity: Data not available
Skin corrosion/irritation: Data not available
Serious eye damage/irritation: Data not available
Respiratory or skin sensitization: Data not available
Germ cell mutagenicity: Data not available
Carcinogenicity: Data not available
NTP: Known to be a human carcinogen.
IARC classified: Group 1: Carcinogenic to humans.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: Data not available
STOT-single exposure: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory effects
STOT-repeated exposure: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2 with respiratory effects
Aspiration hazard: Data not available
Potential health effects:
Inhalation: May be harmful if inhaled.
Ingestion: No hazard expected.
Skin: No hazard expected.
Eyes: Transient irritation.
Signs and symptoms of exposure: This product contains crystalline silica, which is considered to be a hazard by inhalation. Crystalline silica is also a known cause of silicosis, a non-cancerous lung disease.
Additional information: RTECS #: VV7325000 [Cristobalite]

Toxicity to fish: No data available
Toxicity to daphnia and other aquatic invertebrates: No data available
Toxicity to algae: No data available
Persistence and degradability: No data available **Bioaccumulative potential:** No data available
Mobility in soil: No data available **PBT and vPvB assessment:** No data available
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

UN/NA number: Not applicable	Shipping name: Not Regulated		
Hazard class: Not applicable	Packing group: Not applicable	Reportable Quantity: No	Marine pollutant: No
Exceptions: Not applicable	2012 ERG Guide # Not applicable		

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERCLA (RQ)	RCRA code	DSL	NDSL	
Diatomaceous earth	Listed	Not listed	Not listed	Listed	Not listed	

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.