

MATERIAL SAFETY DATA SHEET

Diatomaceous Earth

SECTION 1 . Product and Company Identification

Product Name and Synonym: Diatomaceous Earth
Product Code: D4329
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 6/3/2013
Print Date: 6/3/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	1
Flammability:	0
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

SECTION 2 HAZARD IDENTIFICATION

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Diatomaceous Earth	CAS# 61790-53-2	100%	W/W	TXDS: orl-rat LD ₅₀ : 3.16 g/Kg

SECTION 4 FIRST AID MEASURES

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards: Negligible fire hazard when exposed to heat or flame
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Diatomaceous Earth

Wear Protective equipment. Sweep up, place in a bag and hold for waste disposal.

SECTION 7 HANDLING AND STORAGE

keep in tightly closed container,store in cool , dry ,ventilated area. Protect against physical damage.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator.if tlv is exceeded.

Ventilation

Local Exhaust

Mechanical

Protective Gloves: none required

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure.maintain eye wash and quick drench facilites .

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	1710°C	Percent Volatile by Volume:	n/a
Boiling Point:	2232°C	Evaporation Rate	n/a
Vapor Pressure:	Information not available	Evaporation Standard	n/a
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	less than 2.0%	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	buff to off white granules w/no odor.	Upper Flamm. Limit in Air	Not applicable
Flash Point:	n/a		
Specific Gravity:	2.2		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	substance can explode when wet and heated with magnesium.
Materials to Avoid:	hydrogen flouride,hydrogenated vegetable oils,xenon hexafluoride, oxgyen difluoride and chlorine trifluoride.
Hazardous Decomposition Products:	Not known to occur
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Routes of Entry: Inhalation. Ingestion.
Toxicity to Animals:
LD50: Not available. LC50: Not available.

Diatomaceous Earth

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 1 (Proven for human.) by IARC, 1 (Clear evidence.) by NTP, + (Proven.) by OSHA, + (Proven.) by NIOSH [Cristobalite]. Classified A2 (Suspected for human.) by ACGIH [Cristobalite]. Classified 1 (Proven for human.) by IARC, 1 (Clear evidence.) by NTP, + (Proven.) by OSHA, + (Proven.) by NIOSH [Quartz]. Classified A2 (Suspected for human.) by ACGIH [Quartz]. May cause damage to the following organs: lungs, upper respiratory tract.

Other Toxic Effects on Humans:
Hazardous in case of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May contain up to 44% crystalline silica which may cause cancer (tumorigenic). Crystalline silica has been identified by IARC as a class 1 carcinogen.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: No adverse health effects expected. Eyes: May cause eye irritation. Ingestion: No adverse health effects expected. Inhalation: Affects respiration and irritates respiratory tract. Acute pneumoconiosis from overwhelming exposure to silica dust has occurred. Coughing and irritation of throat are early symptoms. Inhalation of quartz is classified as a human carcinogen. Risk of cancer depends upon duration and level of exposure. May also affect liver. Chronic exposure to quartz can also cause silicosis, a form of lung scarring that can cause shortness of breath, reduced lung function. May also affect blood. Aggravation of Pre-existing Conditions: Inhalation may increase the progression of tuberculosis; susceptibility is apparently not increased. Persons with impaired respiratory function may be more susceptible to the effects of this substance. Smoking can increase the risk of lung injury.

SECTION 12 Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation: Not available.

SECTION 13 Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14 Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

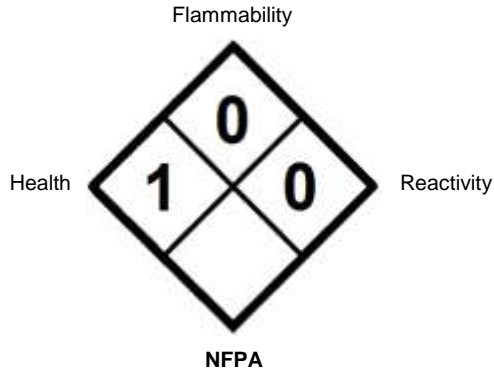
SECTION 15 Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Cristobalite; Quartz California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Cristobalite; Quartz Pennsylvania RTK: Cristobalite; Quartz; Diatomaceous Earth Florida: Cristobalite; Quartz Minnesota: Cristobalite; Quartz Massachusetts RTK: Cristobalite; Quartz New Jersey: Cristobalite; Quartz; Diatomaceous Earth TSCA 8(b) inventory: Diatomaceous earth; Quartz; Cristobalite
Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
Other Classifications:
WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

Diatomaceous Earth

DSCL (EEC):
R36/37- Irritating to eyes and respiratory system. R45- May cause cancer. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label. S53- Avoid exposure - obtain special instructions before use.

SECTION 16 Additional Information



Revisions

3/21/2012	0.1	Revised to 16 sections LS
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