



**Diatomaceous Earth**  
**MATERIAL SAFETY DATA SHEET**

**1. PRODUCT IDENTIFICATION**

Trade Name(s): (CELITE® = C) AQUA CEL®, C269, C503 (ALL), C535, C545, C552, C560, C566, C578P, C580, X-6, X-7

Generic Name: Flux-Calcined Diatomaceous Earth      CAS #.      68855-54-9  
Chemical Name: Silica      Formula:      SiO<sub>2</sub>

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT NAME	CAS NUMBER	%	PREMISSIBLE EXPOSURE LIMIT
Flux-Calcined Diatomaceous Earth	68855-54-9	100	See Below
This Product may contain up to 54% Crystalline Silica:			
Cristobalite	14464-46-1	<50	.025mg/M3 Respirable Cristobalite, ACGIH
Quartz	14808-60-7	<4	.0.25mg/M3 Respirable Quartz, ACGIH

**3. HAZARD IDENTIFICATION**

**Summary:** This Product Contains Crystalline Silica (CS), which is considered a hazard by inhalation. IARC has classified inhalation of CS as carcinogenic for humans (Group 1). CS is listed by NTP as a known human carcinogen. Inhalation of CS is also a known cause of silicosis, a noncancerous lung disease.

**Medical conditions which may be aggravated:** Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis and asthma.

**Target Organ(s):** lungs, eyes

**Acute Health Effects:** Transitory upper respiratory or eye irritation.

**Chronic Health Effects:** Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group 1). Inhalation of crystalline silica is also a known cause of silicosis, a noncancerous lung disease caused by excessive exposure to crystalline silica.

**Primary Entry Route(s):** Inhalation, dust contact with eyes.

**Inhalation:** Irritation and soreness in throat & nose. In extreme exposures some congestion may occur.

**Eyes:** Temporary irritation or inflammation.

**Skin Contact:** NA

**Skin Absorption:** NA

**Ingestion:** Not hazardous when ingested

**4. FIRE AND MEASURES**

**Inhalation:** Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust.

**Eyes:** Flush eyes with large quantities of water. If Irritation persists consult a physician.

**Skin Contact:** NA

**Skin Absorption:** NA

**Ingestion:** NA

## 5. FIRE FIGHTING MEASURES

Flash Point (Method): Non-flammable	NFPA Flammable/Combustible Liquid Classification: NA	
Flammable Limits: LEL: NA	UEL: NA	Auto-Ignition Temperature: NA
Extinguishing Media: NA	Unusual Fire or Explosion Hazards: None	
Special Fire-Fighting Procedures: None		

## 6. ACCIDENTAL RELEASE MEASURES

**Procedures for Spill/Leak:** Vacuum clean dust with equipment fitted with HEPA Filter. Use a dust suppressant such as water if sweeping in necessary.

## 7. HANDLING AND STORAGE

Minimize Dust: Generation and accumulation. Avoid breathing dust, avoid contact with eyes. Seal broken bags immediately. Continue to follow all MSDS/label warning when handling empty containers.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Goggles: Goggles or safety with side shields are recommended.**

Gloves: Not normally required.

Respirator: <10X PEL, use an N95 quarter or half mask respirator; <50X PEL, use a full face respirator quipped with full face, type C supplied air respirator (continuous flow mode).

Ventilation: Use sufficient natural or mechanical ventilation to keep dust level below PEL.

Other: Special Considerations for repair/maintenance of contaminated equipment: Insure proper respiratory protection.

## 9. PHYSICAL AND CHEMICAL PREPERTIES

Appearance and Odour: Fine white powder, no odour.

Boiling Point: NA	Evaporation Rate (=1): NA	Specific Gravity (water = 1) : 2.3
Vapour Pressure: NA	Melting Point: ND	%Volatile by Volume: Nil
Water Solubility (%): Negligible	Vapour Density (Air=1): NA	pH: 9 – 10.5

## 10. STABILITY AND REACTIVITY

MATERIAL IS STABLE.

Hazardous Polymerization Cannot Occur.

**Chemical Incompatibilities:** Hydrofluoric Acid.

**Conditions to Avoid:** None in Designed Use.

## 11. TOXICOLOGICAL INFORMATION

**Summary:** This product contains crystalline silica (CS), which is considered a hazard by inhalation. IARC has classified CS as carcinogenic for humans (Group 1). CS is listed by NTP as a known human carcinogen. CS is also a known cause of silicosis, a noncancerous lung disease.

## 12. ECOLOGICAL INFORMATION

Generally considered chemically inert the environment. Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

### 13. DISPOSAL CONSIDERATION

Waste is not hazardous as defined by RCRA (40 CFR 261). Other state and local regulations may vary, consult local agencies as needed. Use material which has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

### 14. TRANSPORTATION INFORMATION

**D.O.T. Proper Shipping Name:** Earth, Diatomaceous, Crude or Ground

**Hazard Classification:** Not classified

**Reportable Quantities:** Not applicable

UN (United Nations), NA (North America) Number: Not applicable

### 15. REGULATORY INFORMATION

**OSHA Hazard Communications Standard, 29 CFR 1910.1200:** Material is considered hazardous, see Section 3.

**RCRA:** This material is not defined as hazardous waste per 40 CFR 261.

**TSCA:** This material is listed in the TSCA inventory, and is not otherwise regulated by TSCA Sec. 4, 5, 6, 7 or 12.

**CERCLA:** Material is not reportable under CERCLA, local requirement may vary.

**SARA:** 311/312 hazard categories-immediate and delayed health, 313 Reportable ingredient- none.

**Canada:** This product is listed on the DSL.

**California Proposition 65:** This product contains chemicals known to the state of California to cause cancer.

### 16. OTHER INFORMATION

**Storage Segregation Hazard Classes:** NA

**Special Handling/Storage:** Repair all broken bags immediately.

**Special Workplace Engineering Controls:** Adequate ventilation to keep dust level below PEL.

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This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believed that the information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situation. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is either made express or implied.

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