



Aqua Chemical Supply, Inc.

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1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name(s): (CELITE® = C) C577, C577 NF, FILTER CEL®, FILTER CEL® NF CELITE® BPP

Generic Name: CALCINED DIATOMACEOUS EARTH

CAS: 91053-39-3

Chemical Name: SILICA

EINECS: 293-303-4

Formula: SiO₂

Manufacturer/Supplier/Distributor:

EP Minerals, LLC., 9875 Gateway Dr., Reno, NV 89521

Emergency telephone number: For emergency assistance involving chemicals call

CHEMTREC day or night at: 1-800-424-9300

2. HAZARDS 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, emphysema and asthma.

Target organ(s): lungs, eyes

Acute Health Affects: 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

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS NUMBER:	%	PEL AND TLV (except as noted)
CALCINED DIATOMACEOUS EARTH (DE)	91053-39-3	100	
THIS PRODUCT MAY CONTAIN UP TO 9% CRYSTALLINE SILICA:			
CRISTOBALITE	14464-46-1	<5.5	.025mg/M3 RESPIRABLE CRISTOBALITE, ACGIH
QUARTZ	14808-60-7	<3.5	.025mg/M3 RESPIRABLE QUARTZ, ACGIH

Composition comments: All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. FIRST AID 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): NONFLAMMABLE

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 Procedure: NONE

6. ACCIDENTAL RELEASE MEASURES

Procedure for Spill/ Leak: vacuum clean dust with equipment fitted with HEPA filter. Use a dust suppressant such as water if sweeping is 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 SDS/ label warning when handling empty containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Goggles: GOGGLES OR SAFETY GLASSES WITH SIDESHIELDS ARE RECOMMENDED.

Gloves: NOT NORMALLY REQUIRED.

Respirator: <10X PEL, USE AN N95 QUARTER OR HALF MASK RESPIRATOR; <50X PEL, USE A FULL FACE RESPIRATOR EQUIPPED WITH N95 FILTERS; <200X PEL, USE A POWERED AIR PURIFYING RESPIRATOR (POSITIVE PRESSURE) WITH N95 FILTERS; >200X PEL, USE A 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 PROPERTIES**

Appearance and Odor: FINE PINK POWDER, NO ODOR.

Boiling Point: NA

Evaporation Rate (=1): NA

Specific Gravity (water = 1): 2.3

Vapor Pressure: NA

Melting Point: ND

% Volatile by Volume: NIL

Water Solubility (%): NEGLIGIBLE

Vapor Density (Air=1): NA

pH: 6.0-8.0

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 in 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. Used material which has become contaminated may have significantly different characteristics based on the contaminants and should be evaluated accordingly.

14. TRANSPORT INFORMATION

D.O.T. Proper Shipping Name: EARTH, DIATOMACEOUS, CRUDE OR GROUND
Hazard Classification: Not Classified
Reportable Quantities: NA
UN (United Nations), NA (North America) Number: NA

15. REGULATORY INFORMATION

D.O.T. Proper Shipping Name: EARTH, DIATOMACEOUS, CRUDE OR GROUND
Hazard Classification: Not Classified
Reportable Quantities: NA
UN (United Nations), NA
(North America) Number: NA

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

Notice

Aqua Chemical Supply, Inc. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from your local Aqua Chemical Supply, Inc. sales office.

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