

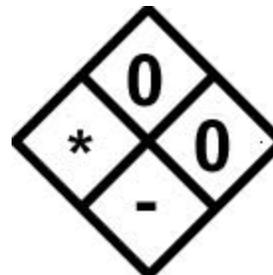


DIATOMACEOUS EARTH (D.E.)

Material Safety Data Sheet

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* See Below

IDENTIFICATION OF PRODUCT

TRADE NAME (S):	(CELITE® = C) AQUA-CEL®, C503(ALL), C535, C545, C552, C560, C566, C578P, C580, X-6, X-7, DICALITE
GENERIC NAME:	FLUX CALCINED DIATOMACEOUS EARTH
CHEMICAL NAME:	SILICA
CAS:	68855-54-9
EINECS:	272-489-0
FORMULA:	SiO ₂

COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS NUMBER	%	PEL AND TLV
FLUX CALCINED DIATOMACEOUS EARTH (DE)	68855-54-9	100	See below.
This product may contain up to 54% crystalline silica:			
Cristobalite	14464-46-1	<50	0.05mg/M ³ Respirable Cristobalite, OSHA
Quartz	14808-60-7	<4	0.1mg/M ³ Respirable Quartz, OSHA

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Fine white 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:	9 – 10.5

NFPA FIRE HAZARD SYMBOL CODES
* SEE HAZARD IDENTIFICATION SECTION
- SEE NFPA 704.

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 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 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.

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:	Not hazardous when ingested.

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 Procedures:	None

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.
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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 warnings when handling empty containers.

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.	

STABILITY AND REACTIVITY	
Material is stable.	
Chemical Incompatibilities:	HYDROFLUORIC ACID
HAZARDOUS POLYMERIZATION CANNOT OCCUR.	
Conditions to avoid:	None in designed use.

TOXICOLOGICAL INFORMATION	
Summary: This product contains CRYSTALLINE SILICA (CS), which is considered 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.	

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.	

DISPOSAL CONSIDERATIONS	
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.	

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.

REGULATORY INFORMATION	
OSHA Hazard Communications Standard, 29 CFR 1910.1200:	Material is considered hazardous. See HAZARD IDENTIFICATION SECTION of this MSDS.
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 requirements may vary.
SARA:	311/312 Hazard categories – immediate and delayed health. 313 reportable ingredients – none.
California Proposition 65:	This product contains chemicals known to the state of California to cause cancer.

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.

Please Note: The information contained herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge and belief. NO WARRANTY OR GUARANTEE, expressed or implied, is made regarding the product performance, product stability, or as to any other condition of use, handling, transportation, and storage. Customer use, handling, transportation, and storage may involve additional safety and/or performance considerations. Our technical personnel will be happy to respond to questions regarding safe handling, storage, transportation and use procedures. The safe handling, storage, transportation and use procedures remain the sole responsibility of the customer. No suggestions for handling, storage, transportation or use are intended as or to be construed as recommendations which may infringe on any existing patents or violate any Federal, State, and/or local law and/or regulation, ordinance, standard, etc.. This Material Safety Data Sheet has been prepared by HASA, Inc. staff from test reports and other information available in the public domain.