



DICALITE MINERALS CORP. 225 City Avenue, Suite 14, Bala Cynwyd, PA 19004

MATERIAL SAFETY DATA SHEET

Flux-Calcined Diatomaceous Earth (DE)

Revised 11/5/2005 by Grefco Minerals Inc.

I. PRODUCT IDENTIFICATION

Trade Name(s): Dicalite (All Flux-calcined Products, Dicalite 341, SPEEDPLUS A&B, 375, SPEEDEX, 2500, SWIMPOOL, 4200, 4500, 5000, 6000, 7000, WB-6, WB6-A).

Generic Name: Flux-Calcined Diatomaceous Earth

CAS#: 68855-54-9*

Chemical Name: Silica

Formula: Predominantly SiO₂

Manufacturer: DICALITE MINERALS CORP. **Address:** 225 CITY AVENUE, SUITE 14

Telephone: (B) (610) 660-8840 (530)-335-5451 **City:** BALA CYNWYD **State:** PA **Zip:** 19004

II. PRODUCT INGREDIENTS

INGREDIENT NAME: Flux-Calcined Diatomaceous Earth

CAS NUMBER: 68855-54-9

Percentage Composition: 100%

PERMISSIBLE EXPOSURE LIMIT: See Below

INGREDIENT NAME: Quartz

CAS NUMBER: 14808-60-7

Percentage Composition: Up to 5%

PERMISSIBLE EXPOSURE LIMIT: 0.1mg/M³ Respirable Quartz, OSHA

INGREDIENT NAME: Cristobalite

CAS NUMBER: 14464-46-1

Percentage Composition: Up to 70%

PERMISSIBLE EXPOSURE LIMIT: 0.05mg/M³ Respirable Cristobalite, OSHA

III. PHYSICAL DATA

Appearance and Odor: White to off white powder; odorless.

Boiling Point: N/A

Evaporation Rate (= 1): N/A

Vapor Pressure: N/A

Specific Gravity (water = 1): 2.35

Water Solubility (%): Slight

Melting Point: N/A

Vapor Density (Air=1): N/A

% Volatile by Volume: N/A

IV. FIRE AND EXPLOSION DATA

Flash Point: Nonflammable

NFPA Flammable/Combustible: N/A

Flammable Limits: N/A

Liquid Classification:N/A
Extinguishing Media:N/A
Auto-Ignition Temperature:N/A
Unusual Fire or Explosion Hazards:None
Special FireFightingProcedures:None

V.HEALTH HAZARDS

A.Summary/Risks

Summary:This product contains crystalline silica (see Section II). Long term inhalation of respirable crystalline silica dusts may cause lung disease (silicosis). Inhalation of respirable crystalline silica has been classified as carcinogenic (Group1)by IARC, a unit of the World Health Organization. Respirable crystalline silica is listed by NTP as a known human carcinogen.

Medical Conditions Which May Be Aggravated:Pre-existing upper respiratory and lung disease, (such as bronchitis, emphysema, asthma, or others).

Target Organ(s):Lungs

Primary Entry Route(s):Inhalation

Acute Health Effect:Transitory upper respiratory irritant.

Chronic Health Effects:Long term inhalation of dust levels in excess of the PEL may cause lung disease (silicosis).

HMIS Information

Health-----1*See Above

Flammability-----0

Reactivity-----0

Personal Protection-----E

V.HEALTH HAZARDS B.Signs/Symptoms of Overexposure

Inhalation:Coughing, irritation of nose and throat; congestion may occur upon overexposure.

Skin Contact:N/A

Skin Absorption:N/A

Ingestion:Not hazardous.

Eyes:Temporary irritation and/or inflammation.

V.HEALTH HAZARDS C.First Aid/Emergency Procedures

Inhalation:Remove from dusty area; drink water to clear throat; blow nose to evacuate dust.

Skin Contact:N/A

Eyes:Do not rub eyes. Flush eyes with copious amounts of water to remove any dust particles.Consult a physician if irritation persists.

Skin Absorption:N/A

Ingestion:N/A

VI.REACTIVITY DATA

Stability:Material is stable. Hazardous polymerization will not occur.

Chemical Incompatibilities:Hydrofluoric acid

Conditions to Avoid: None in designed use. Avoid contact with hydrofluoric acid.

Hazardous Decomposition Products:Reacts with Hydrofluoric acid to form toxic silicon tetrafluoride gas.

VII.SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak:Vacuum clean or wet sweep; avoid dusting; use a dust suppressant when sweeping.

Waste Management:As manufactured not considered as hazardous wastes by RCRA (40 CFR Part 261).

RQ=N/A. Dispose of waste and spillage in closed containers. Dispose of waste in accordance with Federal, State,

and Local Regulations.

VIII. SPECIAL PROTECTION INFORMATION

Goggles: The use of safety eyewear to protect from dusts is recommended.
Gloves: May use gloves to protect overly-sensitive skin.
Respirator: Use NIOSH approved respirators to protect against silicosis producing dusts.
Ventilation: Use adequate exhaust ventilation and/or dust collection to keep dust levels below PEL.
Special Considerations for Repair/Maintenance of Contaminated Equipment: Insure proper respiratory protection.

IX. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: N/A

***** ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS *****

Special Handling/Storage: Store in dry place. Repair all broken bags immediately. Avoid creating dust. Maintain good housekeeping practice.
Special Workplace Engineering Controls: Adequate ventilation and appropriate local exhaust where needed to keep dust levels below PEL.
Other: Comply with all Federal, State and local regulations.

X. REGULATORY AND TRANSPORTATION INFORMATION

D.O.T. Proper Shipping Name: Diatomaceous Earth
D.O.T. Hazard Classification: Not Classified
UN, NA Number: Not Applicable
RCRA: This material (as a product) is not defined as a hazardous waste under RCRA 40CFR Part 261.
TSCA: This material is listed in the TSCA inventory but is not otherwise regulated by TSCA
CERCLA: Material not reportable under CERCLA. Comply with Local Requirements. RQ: Not Applicable
California Proposition 65: This product contains chemicals known to the State of California to cause cancer.

As of the date of preparation and or revision of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable Federal and State law(s). However, no warranty or representation with respect to such information is intended or given.