

GREFCO, Inc. : 3435 W. Lomita Boulevard Torrance, CA 90509

MATERIAL SAFETY DATA SHEET

No. 0083 (2 pages)

Revised 05/12/89

I. PRODUCT IDENTIFICATION

Trade Name(s): Dicalite 275, 341, 375, 2500, 4200, 4500, 5000, 6000, 7000, CP-100, SP-5, Speedex, Speedplus, Swimming Pool Grade

Generic Name: Flux-Calcined Diatomaceous Earth CAS #: 68855-54-9*
(or Diatomaceous Silica)

Chemical Name: Silica Formula : Predominantly SiO

Manufacturer : GREFCO, INC.

Address: 3435 W. LOMITA BLVD.

Telephone: (213) 517-0700

City: Torrance State: CA Zip: 90509

(213) 517-0773

II. PRODUCT INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PERMISSIBLE Exposure Limit
Flux-Calcined Diatomaceous Earth	68855-54-9*	100	0.069 mg/m
Contains Crystalline Silica			Respirable Mass
(Quartz - up to 5%)	14808-60-7		(PEL calculation based
(Cristobalite - up to 70%)	14464-46-1		on up to 75% crystalline
			silica re: ACGIH-A.2 for TLV

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 (Method): Nonflammable NFPA Flammable / Combustible
Flammable Limits: N / A Liquid Classification: N / A
Extinguishing Media: N / A Auto-Ignition Temperature: N / A
Unusual Fire or Explosion Hazards: None Special Fire-Fighting Procedures: None

V. HEALTH HAZARDS A. Summary / Risks

Summary: This product contains crystalline silica (see Section II). Long term inhalation of crystalline silica dusts may cause lung disease (silicosis). Crystalline silica has been classified as a probable human carcinogen (Group 2A) by IARC, a unit of the World Health Organization. This product has not been classified a carcinogen by NTP and/or OSHA. Grefco is currently in the process of evaluating the conclusions reached by IARC through studies sponsored by the International Diatomite Procedures Association (IDPA) and conducted by the University of Washington School of Public Health.

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). IARC has classified crystalline silica as a probable human carcinogen.

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V. HEALTH HAZARDS B. Signs / Symptoms of Overexposure
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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.

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V. HEALTH HAZARDS C. First Aid / Emergency Procedures
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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 dust particles.

Skin Absorption: N / A

Ingestion: N / A

Consult a physician if irritation persists.

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VI. Skin Absorption : N / A REACTIVITY DATA
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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.

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VII. SPILL OR LEAK PROCEDURES
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Procedures for Spill/Leak: Vacuum clean or wet sweep: avoid dusting: use a dust suppressant when sweeping.

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

Place waste and spillage in closed containers. Dispose of in approved landfill.

RQ- N / A

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VIII. SPECIAL PROTECTION INFORMATION
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Goggles: Normally not required. May use safety eyewear to protect from dusts.

Gloves: Normally not required. 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 FEL.

Special Considerations for Repair/Maintenance of Contaminated Equipment: Insure proper respiratory protection.

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IX. SPECIAL PRECAUTIONS
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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.

PREPARED / REVISED by: V.B. Say Title: Analytical and Product-Health Chemist
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As of the date of preparation 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.