

MATERIAL SAFETY DATA SHEET

Date Prepared 04/10/86
083

I. PRODUCT IDENTIFICATION

Trade Name(s): Dicalite 375, 2500, 4200, 4500, 5000, 6000, 7000, 8000,
Speedex, Speedplus, Swimming Pool Grade

Generic Name: Flux-Calcined Diatomaceous Earth
or Silica

CAS #: 68855-54-9

Chemical Name: Silica

Formula: Predominantly SiO₂

Manufacturer: GREFCO, INC.

Emergency Telephone: (213)517-0700

Address: 3435 W. LOMITA BLVD.

(213)517-0765

City: TORRANCE State: CA Zip: 90509

II. PRODUCT INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PERMISSIBLE EXPOSURE LIMIT
Flux-Calcined Diatomaceous Earth	68855-54-9	100	0.075 mg/m ³ Respirable Mass
Crystalline Silica Quartz - 0.5 to 2.0%	14808-60-7		
Cristobalite - 45 to 65%	14464-46-1		
PEL calculation based on up to 67% crystalline silica.			

III. PHYSICAL DATA

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

Boiling Point: N/A
Vapor Pressure: N/A
Water Solubility (%): Slight
Vapor Density:(Air=1): N/A

Evaporation Rate (=_1): N/A
Specific Gravity (water = 1): 2.35
Melting Point: N/A
% Volatile by Volume: N/A

IV. FIRE AND EXPLOSION DATA

Flash Point (Method): Non flammable

NFPA Flammable/Combustible Liquid Classification

Flammable Limits: N/A

Auto-Ignition Temperature: N/A

Extinguishing Media: N/A

Unusual Fire or Explosion Hazards: No Hazard.

Special Fire-Fighting Procedures: None

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V. HEALTH HAZARDS A. Summary/Risks

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Contains up to 67% crystalline silica (See section II.)

Summary: Inhalation of crystalline silica dust (Quartz) over long periods of time may cause pneumoconiosis. This product is not considered a carcinogen.
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

Acute Health Effect: Transitory upper respiratory irritant.

Chronic Health Effects: Long term, unprotected exposure to dust levels in excess of the PEL may cause lung disease (silicosis). Follow the safe handling practices shown on the label.

Primary Entry Route(s): Inhalation.

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V. HEALTH HAZARDS B. Signs/Symptoms of Overexposure

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Inhalation: Congestion and irritation of throat, nasal passages and upper respiratory system.
Skin Contact: N/A

Skin Absorption: N/A

Ingestion: Not hazardous. Generally regarded as safe by the FDA.

Eyes: Temporary irritation and 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 and blow nose.

Skin Contact: N/A

Skin Absorption: N/A

Ingestion: N/A

Eyes: Flush with copious quantities of water for a minimum of 15 minutes.

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VI. REACTIVITY DATA

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Material is stable. Hazardous polymerization will not occur.

Chemical Incompatibilities: Hydrofluoric acid

Conditions to Avoid: None in designed use.

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

When heated to calcining temperatures, crystalline silica (cristobalite) is formed.

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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: Waste generated during application, demolition breakage or spillage are not hazardous wastes as defined 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: Not normally required.

Gloves: Not normally required.

Respirator: Use NIOSH approved respirators for protection against pneumoconiosis producing dusts.

Ventilation: Use adequate exhaust ventilation and/or dust collection.

Other: N/A

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: Repair all broken bags immediately. Avoid creating dust. Maintain good housekeeping practice.

Special Workplace Engineering Controls: Not normally required.

Other: Comply with all Federal, State and local regulations.

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Prepared/Revised by: E.R. Brannigan Title: MGR. TECHNICAL SERVICES

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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.