GREFCO MINERALS INC. 23705 Crenshaw Blvd., Suite 101, Torrance, CA 90505

MATERIAL SAFETY DATA SHEET

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No.0031 (2 pages)	Revised 11/5/99	9 Page 1 o
I. PRODUCT IDENTI	Florence	rege 1 U
Trade Name(s) Dicalite (All Flu	FIGATION	
Generic Name: Flux-Calcined (Chemical Name: Silica Manufacturer: GREFCO MINE Address: 23705 CRENSI	x-calcined Products) Diatomaceous Earth FRALS INC. HAW BLVD., SUITE 10 1: 90505	CAS # 68855-54-9 Formula: Predominantly SiO2 01 Tel. #: (B) (310)517-0700 (904) 355-0096 (610) 667-66 (H) (724) 443-5556 (314) 926-2977
II. PRODUCT INGRE	DIENTS	
INGREDIENT NAME	I CAS NUMBER	% PERMISSIBLE EXPOSURE LIMIT
Flux-Calcined Diatomaceous Earth	68855-54-9	100 0.069 mg/m3 Respirable Mass
Contains Crystalline Silice	j	1 - 1224 Highite Mespitable Mass
(Quartz - up to 5%) (Cristobalite - up to 70%)	14808-50-7 14464-46-1	(PEL calculation based on up to 75% crystalline silica.)
III. PHYSICAL DATA		
Appearance and Odor; White to off white	powder, odoness.	
Boiling Point N/A		Vaporation Rate: N/A
Vapor Pressure: N/A	S	pecific Gravity (water = 1): 2.35
Water Solubility (%): Slight	·M	felling Point N/A
Vapor Density:(Air=1): N/A	9/	6 Volatile by Volume: N/A
IV. FIRE AND EXPLOSI	ON DATA	DIA
Flash Point(Method): Non	ilammable N	FPA Flammable/Combustible Nonflammable
Flammable Limits: N/A	Li	iquid Classification;
Extinguishing Media: N/A	Αı	uto-Ignition Temperature: NA
Unusual Fire or Explosion Hazards: Non	e 50	pecial Fire-Fighting Procedures: None
V. REGULATORY INFO	RMATION	
Crystalline silica has been classified as a s	ubstance which may re	essonably be anticipated as a carcinogen by NTP.
NOME THIS HARBITATION WENTED AS DAZA	frings which har 40 fr	TC 104
INCAL THIS material is listed in the TSCA in	Ventant sad to not other	untine continued to make a second
SANA, O I I/O IZ DEZEIO CELEGODES - IMMAN	izie and deleved besiti	A 242 ca
California Prop. 65: This material contains a	chemical known to the	State of California to cause cancer
. VI. HEALTH HAZARDS	A. Summary/Ri	sks
dispase (silicosis) Contalino silica has bee	section II). Long term in	nhalation of crystelline silica dusts may cause lung
Health Organization.	n classified as carcinog	initialition of crystalline silics dusts may cause lung penic to humans (Group1) by IARC, a unit of the World
Medical Conditions Which May Be Aggravat		
months of madely the high pe Agglavat		per respiratory and lung disease, (such as bronchitis, sithma, or others).
		HEALTH -2
		FLAMMABILITY -0
		REACTIVITY -0
		PERSONAL PROTECTION - E
Target Organ(s): Lungs	Primani Estar Bandar	(See special precautions - page 2)
Acute Health Effect: Transitory upper re	Primary Entry Routed	(צו: וחחמ:מיסח
Chronic Health Effects: Long term inhalatio	remotery intent,	on of the DMI
IARC has classified	i crystalline silica as ca	ess of the PEL may cause lung disease (silicosis).
" TAN THE MEDDING!	130cm - 3110c 52 CS	acinogenic to numans.

VI. HEALTH HAZARDS B. Signs/Symptoms of Overexposure Coughing, imitation of nose and throat; congestion may occur upon overexposure. Inhafation: Skin Contact: N/A Skin Absorption: N/A Not hazardous. Eyes: Temporary irritation and/or inflammation. Ingestion: VI. HEALTH HAZARDS C. First Aid/Emergency Procedures Remove from dusty area; drink water to clear throat; blow nose to evacuate dust. inhalation: Eyes: Do not rub eyes. Flush eyes with copious amounts of N/A Skin Contact: Skin Absorption: water to remove any dust particles. NA N/A Consult a physician if imitation persists. Ingestion: VII. REACTIVITY DATA Material is stable. Hazardous polymerization will not occur. Stability: Chemical Incompatibilities: Hydrofluoric acid None in designed use. Avoid contact with hydrofluoric acid. Conditions to Avoid: Hazardous Decomposition Products: Reacts with Hydroriuonic acid to form toxic silicon tetrafluoride gas. VIII. SPILL OR LEAK PROCEDURES Vacuum clean or wet sweep; avoid dusting; use a dust suppressant when sweeping. Procedures for Spill/Leak: Not considered as hazardous wastes by RCRA (40 CFR Part 261). Place waste and Waste Management: spillage in closed containers. Dispose of in approved landfill. RQ-N/A IX. SPECIAL PROTECTION INFORMATION Normally not required. May use safety eyewear to protect from dusts. Goggles: Normally not required. May use gloves to protect overly-sensitive skin. Gloves: Use NIOSH approved respirators to protect against silicosis producing dusts. Respirator. Use adequate exhaust ventilation and/or dust collection to keep dust levels below PEL. Ventilation: Special Considerations for Repair/Maintenance of Contaminated Equipment Insure proper respiratory protection. X. SPECIAL PRECAUTIONS Storage Segregation Hazard Classes: N/A *** ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS *** Store in dry place, Repair all broken bags immediately. Avoid creating dust, Special Handling/Storage: Maintain good housekeeping practice. Special Workplace Engineering Controls: Adequate ventilation and appropriate local exhaust where needed to keep dust levels below PEL. Comply with all Federal, State and local regulations. Other Prepared/Revised by: Bill White Title: Sr. Process Chemist

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.