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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be suited for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List): CALCIUM CHLORIDE FLAKE 77/80%

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

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Section I

Manufacturer's Name: DI-EL CHEMICALS, INC.

Address (Number, Street, City, State, and ZIP Code): P.O. BOX 167, LAFAYETTE, NJ 07848

Emergency Telephone Number: 201-579-7005

Telephone Number for Information: 201-579-7005, FAX 201-579-7002

Date Prepared: 1/90

Signature of Preparer (optional): NA

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
CALCIUM CHLORIDE, DIHYDRATE	NA	NA	NA	77/80%
CAS. NO. 10035-04-8				

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Section III — Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H_2O = 1)	0.84
Vapor Pressure (mm Hg.)	NA	Melting Point	176DEG C 349DEG F
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA

Solubility in Water: COMPLETE IN ALL PROPORTIONS

Appearance and Odor: ODORLESS, SMALL, WHITE FLAKES

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NA	NA	NA	NA

Extinguishing Media: USE EXTINGUISHING MEDIA APPROPIATE FOR SURROUNDING FIRE.

Special Fire Fighting Procedures: FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire and Explosion Hazards: TOXIC GASES PRODUCED...HYDROGEN CHLORIDE

(produce locally)

OSHA 174, Sept. 1985

Section V — Reactivity Data

Stability	Unstable	NA	Conditions to Avoid: MOISTER
	Stable	XXX	

Incompatibility (Materials to Avoid)
MOST COMMON METALS, WATER DECOMPOSITION PRODUCTS...HYDROGEN CHLORIDE HAZARDOUS POLYMERIZATION...WILL NOT OCCUR

Hazardous Decomposition or Byproducts
HYDROGEN CHLORIDE HAZARDOUS POLYMERIZATION WILL NOT OCCUR

Hazardous Polymerization	May Occur	NA	Conditions to Avoid: NA
	Will Not Occur	XXX	NA

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Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic)
NA

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?
NA

Signs and Symptoms of Exposure
CONTACT WITH SKIN OR EYES MAY CAUSE SEVERE IRRITATION OR BURNS. INGESTION MAY CAUSE NAUSEA AND VOMITING. DUST MAY IRRITATE NOSE AND THROAT

Medical Conditions
Generally Aggravated by Exposure
NA

Emergency and First Aid Procedures
SKIN: Wash thoroughly and remove contaminated clothing. EYES: Flush with cool water for 15 minutes and get medical attention. INHALATION: Induce vomiting and call a physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken In Case Material Is Released or Spilled
WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER, REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.

Waste Disposal Method
DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

Precautions to Be Taken in Handling and Storing
VENTILATION...USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME AND DUST LEVELS AS LOW AS POSSIBLE. RESPIRATORY PROTECTION...NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, USE AN APPROPRIATE RESPIRATOR OR DUST MASK. EYE/SKIN PROTECTION...SAFETY GLASSES WITH SIDESHIELDS, UNIFORM, RUBBER GLOVES ARE RECOMMENDED.

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust: GENERALLY ADEQUATE	Special: NA	
	Mechanical (General): AS NEEDED	Other: NA	

Protective Gloves: RUBBER

Eye Protection: SAFETY GLASSES WITH SIDESHIELDS

Other Protective Clothing or Equipment: AT, RESPIRATOR IF DUST IN AIR BECOMES EXCESSIVE

Work/Hygienic Practices: KEEP CONTAINER TIGHTLY CLOSED. SUITABLE FOR GENERAL CHEMICAL STORAGE AREA.

• USGPO 1986-491-529/45775