

MATERIAL SAFETY DATA SHEET
Prepared according to 29 CFR 1910.1200

DATE PREPARED: May, 1991
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MSDS NO: 109

SECTION I - IDENTIFICATION

L&M CONSTRUCTION CHEMICALS, INC
14851 CALHOUN ROAD
OMAHA, NE. 68152

ASSISTANCE (CHEMTREC) 800-424-9300
EMERGENCY PHONE NO. 402-453-6600

I.D. NO.: None

PRODUCT
NAME: **FLUOHARD**

DOT CLASS: None

CHEMICAL
NAME: Zinc/Magnesium Fluosilicate

DOT SHIPPING
NAME None:

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS	OSHA PEL	ACGIH TLV	CAS	% wt
#1: *Alkaline Zinc Silicofluoride	2 Mg/M ³	2 Mg/M ³	16871-71-9	<1

*This ingredient is a toxic chemical subject to the reporting of Section 313 of SARA Title III and of 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F): 214-216 (760 mm/hg)
VAPOR PRESSURE(mm Hg): N/A
VAPOR DENSITY (AIR = 1): N/A
SOLUBILITY IN WATER: 100%
APPEARANCE: Colorless Turbid Liquid
ODOR: Slightly Soapy

SPECIFIC GRAVITY (H₂O = 1): 1.07
PERCENT VOLATILE BY VOLUME: 96
MELTING POINT: N/A
BULK DENSITY: 9.25 lb/gal
PH INFORMATION: 11.0 - 12.0
EVAPORATION RATE: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT, °F.: Non-flammable
FLAMMABLE LIMITS - LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: N/A

SECTION V - REACTIVITY DATA

STABILITY: unstable: stable: X
INCOMPATIBILITY (materials to avoid): Avoid contact with acidic materials
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A
HAZARDOUS POLYMERIZATION: may occur: will not occur: X
CONDITIONS TO AVOID: N/A

SECTION VI - HEALTH HAZARD DATA**FLUOHARD**

POTENTIAL EFFECTS OF EXPOSURE (listed by primary routes of entry)

INHALATION: Exposure to mists or spray may cause coughing, sneezing or other symptoms of upper respiratory tract irritation. Severe exposure may result in lung tissue damage.

SKIN: Will cause severe irritation on continued contact.

INGESTION: Irritation to mucous membranes of the mouth, throat, esophagus and stomach.

EYE CONTACT: Can cause severe irritation if not treated.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: If symptoms are present, get person out of area to fresh air. Seek medical attention.

SKIN: Wash with plenty of water for at least 15 minutes. Remove soiled clothing and footwear. Wash clothing before reuse. Footwear should be cleaned before reuse. Seek medical attention if symptoms are present.

INGESTION: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water or milk, if available. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

EYE CONTACT: Object is to flush material out immediately, then seek medical attention. Immediately flush eyes with large amounts of water for at least several minutes holding lids apart to ensure flushing of the entire surface. Washing eyes one minute is essential. Seek medical attention.

CARCINOGENICITY: OSHA: NO NTP: NO IARC: NO

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: If a material is spilled or released, contain liquids and prevent discharges to streams or sewer systems. Caution: Floors may become slippery when wet with L&M CURE.

WASTE DISPOSAL METHOD: Clean up action should be carefully planned and executed. Shipment, storage and/or disposal of waste materials are regulated and action to handle spilled or released materials must meet the applicable rule. If any questions exist, contract the appropriate agencies.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Shower and eyewash facilities should be accessible. Floors may become slippery when wet with L&M CURE.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Use local exhaust ventilation where mists or spray may be generated.

VENTILATION:

LOCAL EXHAUST: Where mists of spray may be generated.

PROTECTIVE GLOVES: Standard work gloves.

EYE PROTECTION: Face shield or chemical goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Standard work clothing. Standard work shoes.

WORK/HYGIENIC PRACTICES: Wash contaminated clothing and dry before reuse.

END OF MSDS