

**MATERIAL SAFETY DATA SHEET**  
Prepared according to 29 CFR 1910.1200

DATE PREPARED: June 2002  
DATE REVISED: August, 2010

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MSDS NO: 126BM

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**SECTION I - IDENTIFICATION**

L&M CONSTRUCTION CHEMICALS, INC.  
14851 Calhoun Road  
0008  
Omaha, NE 68152

ASSISTANCE (CHEMTREC) 800-424-9300  
EMERGENCY PHONE NO. 800-816-

ID NO.: N/Ap

PRODUCT  
NAME: **FGS HARDENER PLUS**

DOT CLASS: N/Ap

CHEMICAL  
NAME: Siliconate Solution

DOT SHIPPING  
NAME: N/Ap

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**SECTION II - INGREDIENTS/IDENTITY INFORMATION**

INGREDIENTS	OSHA PEL	ACGIH TLV	CAS	% wt
#1: Alkaline Silicate	Not Estab	Not Estab	1344-09-8	< 50

Unlisted ingredients are not hazardous as defined in 29 CFR 1910.1200, and are considered the trade secrets of L&M Construction Chemicals, Inc.

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**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT (F): 214-216  
VAPOR PRESSURE (mm Hg): N/Ap  
VAPOR DENSITY (AIR = 1): N/Ap  
SOLUBILITY IN WATER: 100%  
APPEARANCE: Transparent Light Green Liquid  
ODOR: Odorless

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.11  
PERCENT VOLATILE BY VOLUME: 75-80  
MELTING POINT: N/Ap  
BULK DENSITY: 9.25 #/gal  
PH INFORMATION: 10.5 – 11.5  
EVAPORATION RATE: N/Ap

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

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

EXTINGUISHING MEDIA: Non combustible product.

SPECIAL FIRE FIGHTING PROCEDURES: N/A

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**SECTION V - REACTIVITY DATA**

STABILITY: unstable:            stable: X  
INCOMPATIBILITY (materials to avoid): Acidic materials.  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.  
HAZARDOUS POLYMERIZATION:    may occur:            will not occur: X

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**SECTION VI - HEALTH HAZARD DATA****FGS HARDENER PLUS**

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 several minutes holding lids apart to ensure flushing of the entire surface. Washing eyes 15 minutes is essential. Seek medical attention.

CARCINOGENICITY OSHA: NO NTP: NO IARC: NO

HMIS RATING: HEALTH – 1, FLAMMABILITY – 0, REACTIVITY -- 0

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: If material is spilled or released, contain liquids and prevent discharges to streams or sewer systems.

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, contact the appropriate agencies.

PRECAUTIONS TO BE TAKEN IN HANDLING &amp; STORAGE: Shower and eyewash facilities should be accessible.

OTHER PRECAUTIONS: Can etch glass if not promptly removed. Floors may become slippery when wet with Seal Hard.

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**SECTION VIII - CONTROL MEASURES**

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

**VENTILATION**

LOCAL EXHAUST: Where mists or 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: Shower and eyewash facilities should be accessible. Wash contaminated clothing and dry before reuse.

**END OF MSDS**