

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

DATE PREPARED: June 1991  
DATE REVISED: February, 2004

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MSDS NO: 138

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**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

ID NO.: N/Ap

**PRODUCT**

NAME: **DURAPATCH HIWAY**

DOT CLASS: N/Ap

**CHEMICAL**

NAME: Cement Based Mortar

DOT SHIPPING  
NAME: N/Ap

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**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

INGREDIENTS	OSHA PEL	ACGIH TLV	CAS	% wt
# 1: Hydraulic Cement	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	65997-15-1	30-50
#2: Silica Sand	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	14808-60-7	50-70

Unlisted ingredients are not "hazardous" per OSHA standard 29 CFR 1910.1200 and are considered to be a trade secret of L&M Construction Chemicals, Inc.

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**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT (F): N/A DURAPATCH HIWAY is a powdered solid.	SPECIFIC GRAVITY (H <sub>2</sub> O = 1): 2.65
VAPOR PRESSURE (mm Hg): N/Ap	PERCENT VOLATILE BY VOLUME: N/Ap
VAPOR DENSITY (AIR = 1): N/Ap	MELTING POINT: Above 1000°F
SOLUBILITY IN WATER: Slight	BULK DENSITY: N/Ap
APPEARANCE: Grey Powder	PH INFORMATION: N/Ap
ODOR: None	EVAPORATION RATE: N/Ap

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

FLASH POINT, °F, (method used): None DURAPATCH HIWAY is non-combustible.  
FLAMMABLE LIMITS - LEL: N/Ap UEL: N/Ap

EXTINGUISHING MEDIA: Not required

SPECIAL FIRE FIGHTING PROCEDURES: None

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**SECTION V - REACTIVITY DATA**

STABILITY: unstable:            stable: X Keep dry until used.  
INCOMPATIBILITY (materials to avoid): Avoid mixing with strong acids  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None  
HAZARDOUS POLYMERIZATION:    may occur:            will not occur: X  
CONDITIONS TO AVOID: N/A

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**SECTION VI - HEALTH HAZARD DATA****DURAPATCH HIWAY**

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

**INHALATION:** Product contains crystalline cement and quartz silica. Repeated inhalation of silica in excess of the TLV over extended periods can cause silicosis.

**SKIN:** Dryness, itching, rashes and burns can develop following skin contact. Skin abrasions can occur if material is rubbed against skin. Dermatitis and skin sensitization can develop after repeated or prolonged skin contact.

**INGESTION:** No toxic effects are known to be associated with ingestion of this material.

**EYE CONTACT:** This material can irritate and may burn eyes following direct contact. The aggregate particles may cause abrasions of the cornea.

**EMERGENCY & FIRST AID PROCEDURES**

**INHALATION:** Remove to fresh air. If cough, irritation, difficulty in breathing or other respiratory symptoms persist or develop, consult a physician. Note to physician: mucosal injury following ingestion of this material may contraindicate the induction of vomiting in the treatment of possible ingestion.

**SKIN:** Rinse skin free of material with water to avoid abrasion of skin. Do not rub until skin is free of material; then wash thoroughly with soap and water. If redness persists, seek medical attention. Remove and decontaminate clothing and footwear before reuse.

**INGESTION:** Give one to two glasses of water to drink and refer to medical personnel.

**EYE CONTACT:** Do not rub eyes. Rinse immediately with plenty of water for at least 15 minutes and consult a physician immediately.

CARCINOGENICITY OSHA: NO NTP: NO IARC: NO

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

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** No hazards. Sweep up and maintain normal housekeeping procedures. If necessary, dike spills of material and shovel into waste containers. Avoid generating dust.

**WASTE DISPOSAL METHOD:** No hazards. Reuse powder if uncontaminated. Discarded product is non-hazardous waste under RCRA (40 CFR, Part 261). Dispose as non-hazardous waste in compliance with local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:** Minimize broken bags and spilled materials by employing good handling procedures. Store in cool, dry area off the ground. Avoid contact with acids and oxidizers.

**OTHER PRECAUTIONS:** Minimize dust generation. Avoid eye and skin contact. Avoid breathing dust.

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**SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** NIOSH approved particulate mask.

**VENTILATION**

**LOCAL EXHAUST:** Use when possible to minimize exposure

**OTHER:**

**PROTECTIVE GLOVES:** Work gloves recommended **EYE PROTECTION:** Safety goggles recommended

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None

**WORK/HYGIENIC PRACTICES:** Decontaminate clothing and footwear before reuse.

**END OF MSDS**