

MATERIAL SAFETY DATA SHEET
Prepared according to 29 CFR 1910.1200

DATE PREPARED: September, 1991
DATE REVISED: March, 2001

PAGE 1
MSDS NO: 221

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.: Non-regulated

PRODUCT
NAME: **AQUAPEL**

DOT CLASS: Non-regulated

CHEMICAL
NAME: Alkylalkoxysilane Solution

DOT SHIPPING
NAME: Non-regulated

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS OSHA PEL ACGIH TLV CAS

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

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F): 212
VAPOR PRESSURE (mm Hg): N/M
VAPOR DENSITY (AIR = 1): N/M
SOLUBILITY IN WATER: Miscible
APPEARANCE: White Liquid
ODOR: Odorless

SPECIFIC GRAVITY (H₂O = 1): 1.00
PERCENT VOLATILE BY VOLUME: N/M
MELTING POINT: N/Ap
BULK DENSITY: 8.33#/gal
PH INFORMATION: 8.5
Evaporation Rate <1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARDS FIRES: Slight
FLASH POINT, °F, (TCC): None
FLAMMABLE LIMITS - LEL: N/Ap UEL: N/Ap

EXTINGUISHING MEDIA: Use foam, CO₂, or dry chemical fighting apparatus

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective. Wear full protective clothing including a self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

STABILITY: unstable: stable: X

INCOMPATIBILITY (materials to avoid): None with proper storage.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: After a long time small amounts of Ethanol may be formed by hydrolysis.

HAZARDOUS POLYMERIZATION: may occur: will not occur: X

CONDITIONS TO AVOID: Flame or other sources of ignition

SECTION VI - HEALTH HAZARD DATA

AQUAPEL

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

INGESTION: No harmful effects have been reported upon ingestion.

INHALATION: No harmful effects have been observed.

SKIN: No harmful effects have been observed.

EYE CONTACT: May produce an oil film causing a brief reversible dimness of sight.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: Remove person to fresh air. If breathing is difficult, administer oxygen. Call a physician.

SKIN: If this product comes in contact with the skin, wash with soap and large quantities of water and seek attention if irritation from contact persists.

INGESTION: No harmful effects expected. Contact a doctor if any adverse effects are noticed upon ingestion.

EYE CONTACT: If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes and seek immediate 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: Small Spill: Absorb liquid on paper, floor absorbent or other material and transfer hood. Large Spill: Eliminate all ignition sources. Persons without protective equipment should be moved from area until clean-up is completed. Stop spill at source. Dike to prevent spreading. Pump spill into salvage tank. Pick up remaining in floor absorbent material and shovel into containers. Prevent run-off into sewer, streams or bodies of water.

WASTE DISPOSAL METHOD: Small Spill: Allow volatile portion to evaporate. Destroy remaining by burning in an iron pan. Large Spill: Destroy by liquid incineration. Deposit contaminated absorbent in a landfill in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Keep containers cool, dry and away from sources of ignition. Use and store with adequate ventilation. Formation of ethanol by hydrolysis may occur when a storage time of six months will be exceeded.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Use mechanical exhaust ventilation where mists or spray may be generated in enclosed areas.

VENTILATION

LOCAL EXHAUST: May be required if specified

SPECIAL: Required only in extreme cases

PROTECTIVE GLOVES: Impermeable EYE PROTECTION: Safety glasses, chemical goggles or face shields

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK/HYGIENIC PRACTICES: Wash hands before breaks and after working.

END OF MSDS

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PRODUCT
NAME: **AQUAPEL PLUS**

DOT CLASS: Non-regulated

CHEMICAL
NAME: Alkylalkoxysilane Solution

DOT SHIPPING
NAME: Non-regulated

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MELTING POINT: N/Ap
BULK DENSITY: 8.33#/gal
PH INFORMATION: 8.5
EVAPORATION RATE: <1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARDS FIRES: Slight

FLASH POINT, °F, (TCC): None

FLAMMABLE LIMITS - LEL: N/Ap UEL: N/Ap

EXTINGUISHING MEDIA: Use foam, CO₂, or dry chemical fighting apparatus

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective. Wear full protective clothing including a self-contained breathing apparatus.

SECTION V - REACTIVITY DATA

STABILITY: unstable: stable: X

INCOMPATIBILITY (materials to avoid): None with proper storage and handling.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: After a long time small amounts of Ethanol may be formed.

HAZARDOUS POLYMERIZATION: may occur: will not occur: X

CONDITIONS TO AVOID: Flame or other sources of ignition

SECTION VI - HEALTH HAZARD DATA**AQUAPEL PLUS**

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

INGESTION: No harmful effects have been reported upon ingestion.

INHALATION: No harmful effects have been observed.

SKIN: No harmful effects have been observed.

EYE CONTACT: May produce an oil film causing a brief reversible dimness of sight.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: If affected, remove person to fresh air. If breathing is difficult, administer oxygen. Call a physician.

SKIN: If this product comes in contact with the skin, wash with soap and large quantities of water and seek attention if irritation from contact persists.

INGESTION: No harmful effects expected. Contact a doctor if any adverse effects are noticed upon ingestion.

EYE CONTACT: If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

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WASTE DISPOSAL METHOD: Small Spill: Allow volatile portion to evaporate. Destroy remaining by burning in an iron pan. Large Spill: Destroy by liquid incineration. Deposit contaminated absorbent in a landfill in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Keep containers cool, dry and away from sources of ignition. Use and store with adequate ventilation.

OTHER PRECAUTIONS: Avoid inhalation of vapors. Avoid personal contact with the product.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Use mechanical exhaust ventilation where mists or spray may be generated in enclosed areas.

VENTILATION

LOCAL EXHAUST: May be required if specified

SPECIAL: Required only in extreme cases

PROTECTIVE GLOVES: Impermeable EYE PROTECTION: Safety glasses, chemical goggles or face OTHER
PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK/HYGIENIC PRACTICES: Eye washes and safety showers in work area recommended. Wash hands before breaks and after working.

END OF MSDS