

MATERIAL SAFETY DATA SHEET
Prepared according to 29 CFR 1910.1200

DATE PREPARED: March, 2001
DATE REVISED: March, 2001

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MSDS NO: 190A

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.: N/A

PRODUCT
NAME: **EPOGROUT 758 "A"**

DOT CLASS: N/A

CHEMICAL
NAME: EPOXY RESIN

DOT SHIPPING
NAME: NOT REGULATED

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS	OSHA PEL	PIN #	ACGIH TWA	CAS#	% wt
EPOXY RESIN	N/A	N/A	N/A	25085-59-8	30 - 60
NEPHELINE SYENITE	N/A	N/A	N/A	60187-84-4	10 - 30
PHENYL CARBINOL	N/A	N/A	N/A	100-50-6	3 - 7
ALIPHATIC GLYCIDYL ETHER	N/A	N/A	N/A	2461-15-6	3 - 7
TITANIUM DIOXIDE	N/A	N/A	N/A	13463-67-7	1 - 5
POLYSILOXANE	N/A	UN1993	N/A	PROPRIETARY	.5 - 1.5
PHOSPHATED POLYESTER	N/A	UN1993	N/A	PROPRIETARY	.1 - 1
N-METHYL PYRROLIDONE	N/A	N/A	N/A	872-50-4	.1 - 1
PETROLEUM NAPHTHA	50 ppm	UN1268	50 ppm	64742-95-6	1 - 1
2-ETHOXYETHANOL	200 ppm	UN1993	5 ppm	110-80-5	.1 - 1

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F):: N/A
VAPOR PRESSURE(mm Hg): N/A
VAPOR DENSITY (AIR = 1): N/A
SOLUBILITY IN WATER: SLIGHT
APPEARANCE: GREY LIQUID
ODOR: EPOXY

SPECIFIC GRAVITY (H₂O = 1): 1.64
PERCENT VOLATILE BY VOLUME: .83
MELTING POINT: N/A
BULK DENSITY: N/A
PH INFORMATION: N/A
EVAPORATION RATE: N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

EXTINGUISHING MEDIA: WATERFOG, CO₂, DRY CHEMICAL, FOAM
HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, PHENOLICS
SPECIAL FIRE FIGHTING PROCEDURES: N/A

SECTION V - REACTIVITY DATA

STABILITY: unstable: stable: X
INCOMPATIBILITY (materials to avoid): AMINES
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A
HAZARDOUS POLYMERIZATION: May Occur with Greater than 1lb. Of Amines
CONDITIONS TO AVOID: High Temperatures

SECTION VI - HEALTH HAZARD DATA

POTENTIAL EFFECTS OF EXPOSURE (listed by primary routes of entry)
INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation.
SKIN: Prolonged contact can cause moderate irritation and dermatitis.
INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis.
EYE CONTACT: Severe irritation, redness, tearing, blurred vision.
EMERGENCY & FIRST AID PROCEDURES
INHALATION: Remove person to fresh air. Administer oxygen if breathing is difficult. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and seek medical attention.
SKIN: Thoroughly wash exposed areas with soap and water. Remove contaminated clothing. Launder before re-use.
INGESTION: Do not induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.
EYE CONTACT: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention as required.

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: Broadcast absorbent material. Allow material to soak. Discard according to local pollution regulations.
WASTE DISPOSAL METHOD: Remove to appropriate chemical waste disposal area.
PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: May cause irritation. Avoid contact with eyes or prolonged contact with skin. Immediately flush eyes with water for at least 15 minutes.
OTHER PRECAUTIONS: Empty containers have hazardous residue which must be observed. Store away from heat and flame.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH approved organic vapor respirator if required.
VENTILATION:
 LOCAL EXHAUST: Yes
 MECHANICAL (general): Yes
PROTECTIVE GLOVES: Impervious
EYE PROTECTION: Splash-proof goggles
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear clean long sleeved, body covering clothing.
WORK/HYGIENIC PRACTICES: Avoid contact with skin and eyes.

END OF MSDS

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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

I.D. NO.:UN 2736

PRODUCT
NAME: **EPOGROUT 758 "B"**

DOT CLASS: 8, PACKING GROUP II

CHEMICAL
NAME: DIETHYLENETRIAMINE

DOT SHIPPING
NAME: POLYALKYLAMINES NOS

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS	OSHA PEL	PIN #	ACGIH TWA	CAS#	% wt
N-AMINOETHYLPIPERAZINE	N/A	UN2815	N/A	140-31-9	30 - 60
POLYOXYALKYLENEDIAMINE	N/A	UN1719	N/A	9046-10-0	15 - 40
EPOXY RESIN	N/A	N/A	N/A	25085-99-8	10 - 30
AMINO SILANE	N/A	N/A	N/A	1760-24-3	7 - 13
NONYL PHENOL	N/A	UN1760	N/A	25154-52-3	7 - 13

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F):: N/A
VAPOR PRESSURE(mm Hg): N/A
VAPOR DENSITY (AIR = 1): N/A
SOLUBILITY IN WATER: MODERATE
APPEARANCE: LIQUID
ODOR: AMMONIACAL

SPECIFIC GRAVITY (H₂O = 1): 1.00
PERCENT VOLATILE BY VOLUME: 0
MELTING POINT: N/A
BULK DENSITY: N/A
PH INFORMATION: N/A
EVAPORATION RATE: N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

EXTINGUISHING MEDIA: WATER SPRAY, WATERFOG, CO₂, DRY CHEMICAL, FOAM
HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, OXIDES OF NITROGEN
SPECIAL FIRE FIGHTING PROCEDURES: N/A

SECTION V - REACTIVITY DATA

STABILITY: unstable: stable: X
INCOMPATIBILITY (materials to avoid): N/A
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
CONDITIONS TO AVOID: HIGH TEMPERATURES

SECTION VI - HEALTH HAZARD DATA**EPOGROUT 758 – “B”**

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

INHALATION: WILL RESULT IN SEVERE RESPIRATORY TRACT IRRITATION AND BURNS.

SKIN: WILL RESULT IN SEVERE SKIN IRRITATION AND BURNS

INGESTION: MAY RESULT IN GASTROINTESTINAL IRRITATION AND ULCERATION

EYE CONTACT: WILL RESULT IN SEVERE EYE IRRITATION AND BURNS

EMERGENCY & FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN

SKIN: WASH THE EXPOSED AREAS WITH SOAP AND WATER IMMEDIATELY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DO NOT INDUCE VOMITING. ADMINISTER LARGE AMOUNTS OF MILK OR WATER IF AVAILABLE. TRANSPORT TO A MEDICAL FACILITY.

EYE CONTACT: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES AND GET 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: REMOVE ALL SOURCES OF IGNITION. PROVIDE ADEQUATE VENTILATION. AVOID PROLONGED BREATHING OF VAPORS. REMOVE TO A CONTAINER OR ABSORB WITH CLAY, DIATOMACIOUS EARTH, OR OTHER SUITABLE INERT MATERIAL.

WASTE DISPOSAL METHOD: DISPOSE OF BY CONTROLLED BURNING OR LANDFILL THE ABSORPTION MATERIAL IN AN APPROVED SITE IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: AVOID INHALATION, SKIN, AND EYE CONTACT. PRACTICE GOOD PERSONAL HYGIENE. WASH DURING THE DAY WITH SOAP AND WATER. OTHER PRECAUTIONS: EMPTY CONTAINER HAVE HAZARDOUS RESIDUE THAT MUST BE OBSERVED.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH APPROVED ORGANIC VAPOR RESPIRATOR IF REQUIRED.

VENTILATION:

LOCAL EXHAUST: YES

MECHANICAL (general): YES

PROTECTIVE GLOVES: IMPERVIOUS

EYE PROTECTION: SPLASH-PROOF GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WEAR CLEAN LONG SLEEVED, BODY COVERING CLOTHING.

WORK/HYGIENIC PRACTICES: AVOID CONTACT WITH SKIN AND EYES.

END OF MSDS