

MATERIAL SAFETY DATA SHEET

Prepared according to 29 CFR 1910.1200

DATE PREPARED: November, 1991

DATE REVISED: March, 2010

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MSDS NO: 151

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: **GRIP IT**

DOT CLASS: N/Ap

CHEMICAL
NAME: Emery Aggregate

DOT SHIPPING
NAME: N/Ap

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS	OSHA PEL	ACGIH TLV	CAS	% wt
#1: Aluminum Oxide	10 mg/m ³	10 mg/m ³	1344-28-1	<60
#2: Ferric Oxide	10 mg/m ³	10 mg/m ³	1309-37-1	<25

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.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F): None
VAPOR PRESSURE (mm Hg): None
VAPOR DENSITY (AIR = 1): None
SOLUBILITY IN WATER: Insoluble
APPEARANCE: Dark Grey
ODOR: Odorless

SPECIFIC GRAVITY (H₂O = 1): 3.5
PERCENT VOLATILE BY VOLUME: None
MELTING POINT: Above 2000°F
BULK DENSITY: N/Ap
PH INFORMATION: N/Ap
EVAPORATION RATE: None

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARDS FIRES: None GRIP IT is non-combustible.
FLASH POINT, °F, (method used): None
FLAMMABLE LIMITS - LEL: N/Ap UEL: N/Ap

EXTINGUISHING MEDIA: Not required

SPECIAL FIRE FIGHTING PROCEDURES: None

SECTION V - REACTIVITY DATA

STABILITY: unstable: stable: X
INCOMPATIBILITY (materials to avoid): None
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None
HAZARDOUS POLYMERIZATION: may occur: will not occur: X
CONDITIONS TO AVOID: None

SECTION VI - HEALTH HAZARD DATA**GRIP IT**

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

INHALATION: Acute - Dust may cause coughing, shortness of breath. Chronic - May affect breathing capacity.

SKIN: Skin abrasions can occur if material is rubbed against skin. Not absorbed through skin.

INGESTION: No toxic effects are known to be associated with ingestion of this material but ingestion is not recommended.

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. Obtain first aid or medical assistance if needed.

INGESTION: Give one to two glasses of water to drink and seek medical assistance if required.

EYE CONTACT: Do not rub eyes. Rinse immediately with plenty of water for at least 15 minutes and seek medical assistance if required.

CARCINOGENICITY OSHA: NO NTP: NO IARC: NO

HMIS: Health Hazard: 1, Fire Hazard: 0, Reactivity: 0, Personal Protection: A

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 product 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. Minimize dust generation. Avoid eye and skin contact. Avoid breathing dust.

OTHER PRECAUTIONS: No applicable information found.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (specify type): NIOSH approved nuisance dust respirator if above TLV.

VENTILATION

LOCAL EXHAUST: Use when possible to minimize exposure

PROTECTIVE 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

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SECTION I - IDENTIFICATION

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14851 CALHOUN ROAD
OMAHA, NE 68152

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

ID NO.: N/Ap

PRODUCT
NAME: **GRIP IT AO**

DOT CLASS: None

CHEMICAL
NAME: Aluminum Oxide Aggregate

DOT SHIPPING
NAME: N/Ap

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS	OSHA PEL	ACGIH TLV	CAS	% wt
#1: Aluminum Oxide	15 mg/m ³	10 mg/m ³	1344-28-1	98%

This product does not contain regulated levels of hazardous ingredients as defined in 29 CFR 1910.1200 and are considered to be a trade secret of L&M Construction Chemicals, Inc.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F): None GRIP IT AO is a powdered solid.
VAPOR PRESSURE (mm Hg): None
VAPOR DENSITY (AIR = 1): None
SOLUBILITY IN WATER: None
APPEARANCE: Grey
ODOR: Odorless

SPECIFIC GRAVITY (H₂O = 1): 3.0
PERCENT VOLATILE BY VOLUME: None
MELTING POINT: Above 1000³ F
BULK DENSITY: N/Ap
PH INFORMATION: N/Ap
EVAPORATION RATE: None

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

HAZARDS FIRES: None GRIP IT AO is non-combustible.
FLASH POINT, °F, (method used): None
FLAMMABLE LIMITS - LEL: N/Ap UEL: N/Ap

EXTINGUISHING MEDIA: Not required

SPECIAL FIRE FIGHTING PROCEDURES: None

SECTION V - REACTIVITY DATA

STABILITY: unstable: stable: X Keep dry until used.
INCOMPATIBILITY (materials to avoid): None
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None
HAZARDOUS POLYMERIZATION: may occur: will not occur: X
CONDITIONS TO AVOID: None

SECTION VI - HEALTH HAZARD DATA**GRIP IT AO**

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

INHALATION: Product contains crystalline cement and emery aggregate. Repeated inhalation of cement in excess of the TLV over extended periods can cause silicosis. Dust may cause coughing and shortness of breath. May also affect breathing capacity.

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. Product is not absorbed through skin.

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. Obtain first aid or medical assistance if needed.

INGESTION: Give one to two glasses of water to drink and refer to medical personnel if assistance is required.

EYE CONTACT: Do not rub eyes. Rinse immediately with plenty of water for at least 15 minutes and seek medical assistance immediately.

CARCINOGENICITY OSHA: NO NTP: NO IARC: NO

HMIS: Health Hazard: 1, Fire Hazard: 0, Reactivity: 0, Personal Protection: A

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.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH approved nuisance dust respirator if above TLV.

VENTILATION

LOCAL EXHAUST: Use when possible to minimize exposure

PROTECTIVE 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