

M² Polymer Technologies, Inc.
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MATERIAL SAFETY DATA SHEET: May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

PRODUCT NAME: Waste Lock[®] 770

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SECTION I SUPPLIER'S INFORMATION

M² Polymer Technologies, Inc.
P.O. Box 365
West Dundee, IL 60118

Telephone Number for Information: 847/836-1393
Last Update : October 30, 2009

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components
(Specific Chemical Identity: Common Name(s)) OSHA PEL ACGIH TLV % (optional)

1. Sodium Polyacrylate, Crosslinked
CAS Number: 09003-04-7

NE NE

2. Post Treatment (Trade Secret)

NE NE

Other Limits

Recommended

Recommended Exposure --

Guideline for Respirable Particulate

0.05mg/m³ (For Particles < 10 µm)

Note: WL 770 normally contains <0.1% of particles 10µm or smaller

SARA Section 313 Reportable Toxic Chemicals: NONE

NFPA/HMIS: Health - 1, Fire - 1, Reactivity - 0, Specific Hazard - None

Dot Class: Not Regulated

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	- Solid	Bulk Density (Apparent - g/cc)	0.5-0.7
Vapor Pressure (mm Hg.)	- LT 10	Melting Point	Greater than 390° F
Vapor Density (AIR = 1)	- Nil	Evaporation Rate (Butyl Acetate = 1)	Less than 1
Water Solubility	- Insoluble		
Appearance and Odor	- White granular powder		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) - NONE
Flammable Limits - Not Available
LEL: 0.0325 UEL: NE

Note: WL770 will not combust under normal conditions. However, when heated to 1700-1800° F, the product will then generate a positive exotherm of roughly 5600 BTU/lbs.

Extinguishing Media - Water, CO₂ and dry chemical extinguishants.
Unusual Fire and Explosion Hazards - Extremely slippery conditions if spilled product comes in contact with water.

SECTION V REACTIVITY DATA

Stability	Unstable Stable	- X	Conditions to Avoid- None Known
Incompatibility (Materials to Avoid)	- None known		
Hazardous Decomposition or By-products	- None known		
Hazardous Polymerization	- May Not Occur	- X	Conditions to Avoid - None Known

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Yes	Skin?	No	Ingestion?	Yes
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Health Hazards (Acute and Chronic) - Contact with eyes, skin or clothing may cause irritation.

Acute (short term) inhalation of dust may cause mild irritation of upper respiratory tract (nose and throat) and lungs.

Chronic (long-term) inhalation exposure to rats for a lifetime (two years) using a sodium polyacrylate that had been micronized to a respirable particle size (<10 µm) produced non-specific inflammation and chronic lung injury at 0.2 mg/m² and 0.8 mg/m². At 0.8 mg/m², tumors were seen in some animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects of any kind at 0.05 mg/m².

Sodium polyacrylate had no effect in mutagenicity tests.

Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure -Reddening, drying of affected area with possible itching, burning or other discomfort. Irritation of the upper respiratory tract.

Medical Conditions
Generally Aggravated by Exposure - Existing respiratory and allergic conditions.

Emergency and First Aid Procedures -
Flush eyes with large quantity of water.
Wash skin with soap and water.
If inhaled, move to fresh air.
Consult physician regarding any continued discomfort.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is Released or Spilled: Collect material. Avoid generating airborne dust. Avoid contact with water, as extremely slippery conditions will result. Residuals are to be flushed thoroughly with water to the drain for normal wastewater treatment.

Waste Disposal Method: Dispose of in accordance with local, Federal, and State regulations. Non-hazardous waste material suitable for approved solid waste landfill.

Precautions to be taken in Handling and Storing: Handle as an eye irritant. Store in a cool, dry place. Do not ingest. Avoid breathing powder. Avoid skin and eye contact.

Other Precautions: Dusty conditions may irritate eyes and respiratory system. Slippery when wet.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specify Type) - Where dusty conditions are created, use a suitable, nuisance-type mask.

Ventilation - Local Exhaust Ensure removal of airborne particles.
- Mechanical (General) - Recommended. Other - Not required.

Protective Gloves - Recommended. Eye Protection - Safety goggles

Other Protective Clothing or Equipment - None
Work/Hygienic Practices - Wash thoroughly after handling.