

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: **LIGHTNING** EFFECTIVE DATE: 01/01/17

WHMIS CLASS: Floor Cleaner, Stripper
Class E - Corrosive
Class D - Division 2B

T.D.G. CLASSIFICATION: Not regulated by TDG

MANUFACTURER NAME AND ADDRESS: MAUNCO
270 ADAM STREET
BELLEVILLE, ON
K8N 5S4
(613) 962-0437

MSDS PREPARED BY SAME:

EMERGENCY PHONE: CANUTEC (613) 996 6666

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS#	WT%	ACGIH-TLV	LC50	LD50
Sodium Metasilicate	6834-92-0	1-5	Not available	Not available	770 mg/kg (Oral Mouse)
Sodium Hydroxide	1310-73-2	1-5	2 mg/m ³	Not available	500 mg/kg (Oral Rabbit)
Ethylene Glycol					
Monobutyl Ether	111-76-2	5-10	25 ppm TWA	550 ppm 4hr (Rat)	220 mg/kg (Dermal Rabbit)
Monoethanolamine	141-43-5	1-5	3 ppm	Not available	1000 mg/kg (Dermal Rabbit)

SECTION III- PHYSICAL DATA

BOILING POINT (DEG C):	97	SPECIFIC GRAVITY (H20=1):	1.040
VAPOUR PRESSURE(mm Hg):	Not available	PERCENT VOLATILE(WT%):	91
VAPOUR DENSITY(AIR=1):	Similar	EVAPORATION RATE(BuAc=1):	Similar
SOLUBILITY IN WATER:	Soluble	PH(AS SUPPLIED):	>13.0
PHYSICAL STATE:	Liquid	VISCOSITY:	Not available
APPEARANCE AND ODOUR:	Clear amber, mild odour		

SECTION IV- FIRE AND EXPLOSION DATA

FLAMMABILITY: Not flammable

FLASH POINT: Not applicable

LEL: Not available

UEL: Not available

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

MEANS OF EXTINCTION: Treat for surrounding material

SPECIAL FIRE HAZARDS: None known at this time

SECTION V- REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable
 INCOMPATIBILITY: Strong oxidizing materials
 HAZARDOUS DECOMPOSITION: Not available

SECTION VI- TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eye, skin contact, inhalation, ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: Contact of concentrate with eyes causes severe eye irritation. May cause damage to eye tissue.
 SKIN: Contact can cause moderate to high irritation.
 INHALATION: Can cause nose, throat and respiratory tract irritation, coughing and headache.
 INGESTION: May cause vomiting, headache and medical problems.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: Prolonged or repeated exposure can cause drying, defatting and dermatitis. Prolonged contact with skin may result in skin burns.
 IRRITANCY: Hazardous by WHMIS Criteria
 RESPIRATORY TRACT SENSITIZATION: No data available
 CARCINOGENIC EFFECTS: Insufficient data available
 TERATOGENIC EFFECTS: Insufficient data available
 MUTAGENIC EFFECTS: Insufficient data available
 SYNERGISTIC MATERIALS: Not available

SECTION VII-PREVENTATIVE MEASURES

GLOVES: Latex rubber, Natural rubber, Polyethylene.
 EYE PROTECTION: Chemical splash goggles.
 RESPIRATORY PROTECTION: Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. In case of insufficient ventilation, wear suitable respiratory equipment.
 OTHER PROTECTIVE EQUIPMENT: As required by employer code.
 ENGINEERING CONTROLS: General ventilation is normally adequate. Local exhaust for ducts, mists or fumes.
 LEAK AND SPILL PROCEDURE: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered-labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
 WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal.
 STORAGE REQUIREMENTS: Store in closed containers. Store away from incompatible materials. Store in a cool, dry, well ventilated area.

SECTION VIII- FIRST AID

EYE: Flush with water for 15 minutes. Seek medical attention.
 SKIN: Rinse with soap and water. Seek medical attention if irritation develops and persists
 INHALATION: Remove to fresh air. If symptoms persist, seek medical attention.
 INGESTION: Do not induce vomiting. Rinse mouth with water. Drink two or more glasses of water. Do not give anything by mouth if victim is unconscious.

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