

SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: Marflo
 WHMIS CLASS: Drain Opener/Cleaner
 Class: E - Corrosive Material
 Class: C - Oxidizing Material

EFFECTIVE DATE: December 1, 2011
 CODE NO.: 6278

T.D.G. CLASSIFICATION: Sodium Hydroxide Solid Mixture
 Class 8 UN 1823 PG II

MANUFACTURER NAME AND ADDRESS: BRODI SPECIALTY PRODUCTS LTD.
 3175 14th AVE, UNIT 1
 MARKHAM, ONTARIO L3R 0H1
 (905) 475-6084

MSDS PREPARED BY: MSDS CO-ORDINATOR, (877) 744-0751 EXT 205, BRODI SPECIALTY PRODUCTS LTD

EMERGENCY PHONE: CANUTEC (613) 996 6666

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS#	WT%	ACGIH-TLV	LC50	LD50
Sodium Hydroxide	1310-73-2	50-80	2 mg/m ³	Not applicable	500 mg/kg (Oral Rabbit)
Sodium Nitrate	7631-99-4	10-30	Not applicable	Not applicable	Not applicable
Aluminum	7429-90-5	5-10	5 mg/m ³	Not applicable	Not applicable

SECTION III- PHYSICAL DATA

BOILING POINT (DEG C):	Not applicable	SPECIFIC GRAVITY (H2O=1):	Not applicable
VAPOUR PRESSURE(mm Hg):	Not applicable	PERCENT VOLATILE (WT%):	<5%
VAPOUR DENSITY(AIR=1):	Not applicable	EVAPORATION RATE (Water=1):	Not applicable
SOLUBILITY IN WATER:	Soluble, reacts in water giving off heat.	pH (AS SUPPLIED):	5%: 13.0
PHYSICAL STATE:	Solid	VISCOSITY:	Not applicable
APPEARANCE AND ODOUR:	White, coarse powder, odourless		

SECTION IV- FIRE AND EXPLOSION DATA

FLAMMABILITY:	Non flammable
FLASH POINT (Deg C, method):	Not applicable
LEL:	Not available
UEL:	Not available
HAZARDOUS COMBUSTION PRODUCTS:	Caustic fumes, oxides of nitrogen, hydrogen gas
MEANS OF EXTINCTION:	As appropriate for the surrounding fire.
SPECIAL FIRE HAZARDS:	Water spray in small amounts can generate heat and cause explosion.
EXPLOSION DATA:	- Unusual Fire and Explosion Hazard: Addition of moisture can start exothermic reaction, which can generate heat and may cause explosion.

SECTION V- REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Water in small amounts, flammable and combustible materials.
INCOMPATIBILITY: May react violently and explosively with incompatible materials.
HAZARDOUS DECOMPOSITION PRODUCTS: Caustic fumes, oxides of nitrogen, hydrogen gas.

SECTION VI- TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE:

EYE: Contact can cause burns, severe corneal damage and permanent loss of vision.
SKIN: Contact can cause redness, burns, pain and blistering.
INHALATION: Can cause nose, throat and respiratory tract irritation, coughing and headaches.
INGESTION: Can cause burns to mouth, throat and stomach

EFFECTS OF CHRONIC EXPOSURE:

SKIN: Prolonged or repeated exposure can cause drying, defatting and dermatitis.
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: Neoprene, PVC, Rubber
EYE PROTECTION: Splash-proof safety goggles or full face shield.
RESPIRATORY PROTECTION: Self-contained breathing apparatus if dust is present or if TLV is exceeded.
OTHER PROTECTIVE EQUIPMENT: Wear gloves and goggles when handling very small quantities during normal use. Use appropriate respirator if dusty conditions prevail. Wear boots and apron in addition to a face shield and gloves if handling large quantities.
ENGINEERING CONTROLS: Provide mechanical ventilation of confined spaces.
LEAK AND SPILL PROCEDURE: Zone off contaminated area. Ventilate. Wear protective gear. Only adequately trained person should participate in the clean up. Small spills may be washed down with large quantities of water. For large spills, shovel product into containers for disposal.
WASTE DISPOSAL: Dispose of through a licensed waste disposal facility.
STORAGE REQUIREMENTS: Store in a separate, well ventilated, cool, dry area. Keep containers tightly closed when not in use. Keep away from combustible materials.

SECTION VIII- FIRST AID

EYE: Immediately flush with water for 15 minutes. Call a doctor immediately.
SKIN: Immediately wash with soap and water for 15 minutes. Call a doctor if irritation develops and persists. Completely decontaminate clothing, shoes and leather goods before reuse or discard.
INHALATION: Remove to fresh air. If symptoms persist, call a doctor.
INGESTION: Do not induce vomiting. Rinse mouth with water; drink one or more glasses of water. Contact doctor immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

STATEMENT OF CAUTION: Corrosive product. Obtain medical attention immediately for all exposures.

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