

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: Powderflo
WHMIS CLASS: Drain Opener/Cleaner
Class: E - Corrosive Material
Class: D - Division 2B: Material causing other toxic effects (Toxic).

EFFECTIVE DATE: 01/01/10
CODE NO.: 7027

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

MANUFACTURER NAME AND ADDRESS: BRODI SPECIALTY PRODUCTS LTD.
3175 14th AVENUE, UNIT 1

MSDS PREPARED BY SAME: MARKHAM, ONTARIO
L3R 0H1
(905) 475-6084

EMERGENCY PHONE: CANUTEC (613) 996 6666

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS#	WT%	ACGIH-TLV	LC50	LD50
Sodium Hydroxide	1310-73-2	30-60	2 mg/m ³	Not available	500 mg/kg Oral, Rabbit
Sodium Metasilicate	6834-92-0	5-10	Not available	Not available	770 mg/kg Oral, Mouse
Sodium gluconate	527-07-1	5-10	Not available	Not available	920 mg/kg Oral, Rat

SECTION III- PHYSICAL DATA

BOILING POINT (DEG C): Not available
VAPOUR PRESSURE(mm Hg): Not available
VAPOUR DENSITY(AIR=1): Not available
SOLUBILITY IN WATER: Soluble, reacts in water giving off heat.

SPECIFIC GRAVITY (H2O=1): Not available
PERCENT VOLATILE (WT%): <5%
EVAPORATION RATE (Water=1): Not available
pH (AS SUPPLIED): 2%: 11.9
VISCOSITY: Not available

PHYSICAL STATE: Solid
APPEARANCE AND ODOUR: Orange, powder, Citrus lemon odour.

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: Use extinguishing media appropriate for surrounding fire.
SPECIAL EXPOSURE HAZARDS: Contact with some metals (particularly magnesium, aluminum and galvanized zinc) can rapidly generate hydrogen. Use water spray to cool containers. Do not get water inside container. Avoid direct contact of this product with water as this can cause a violent exothermic reaction

Unusual Fire and Explosion Hazard: Addition of moisture can start violent exothermic reaction.

SECTION V- REACTIVITY DATA

HAZARDOUS DECOMPOSITION/COMBUSTION MATERIALS (under fire conditions): Not available.
INCOMPATIBILITY: May react violently 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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