

## MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION

**Product identifier:** 0488 – DRAIN BLAST  
**Product use:** Drain Opener  
**Product Code Number:** 63929  
**MSDA Number:** 0488

**WHMIS Classification:** E

**Supplier name and address:**  
 Corporate Chemicals  
 7 Neilson Avenue  
 St. Catharines, ON L2M 5V9  
 (905) 682-8888

**Manufacturer's name and address:**  
 Refer to Supplier

**Emergency Telephone #:** CANUTEC (613) 996-6666

### SECTION 2-CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>% (weight)</u>	<u>LD50 mg/kg oral/rat</u>	<u>LD50 mg/kg skin/rabbit</u>	<u>LC50 ppm inh/rat</u>
Sodium hypochlorite	7681-52-9	1-5	8,910	N/Av	10,500 mg/m <sub>3</sub>
Sodium hydroxide	1310-73-2	7-13	n/av	n/av	n/av
Sodium metasilicate	6834-92-0	1-5	1153	n/av	n/av

### SECTION 3-HAZARDS IDENTIFICATION

\*\*\*POTENTIAL HEALTH EFFECTS\*\*\*

**Routes of entry:** Inhalation, ingestion, skin and eye contact.

**Signs and symptoms of short-term (acute) exposure:**

*Inhalation:* High concentration of mist or spray will cause burning or irritation to the nose, throat and lungs.

*Skin contact:* Corrosive to skin. Can cause severe local irritation, burns and blisters. Effects may be delayed.

*Eye contact:* contact can result in pain, redness and watering, with possible corneal damage or blindness if not promptly treated. Contact with mist or spray may cause irritation, pain or burning.

*Ingestion:* Harmful or fatal if swallowed. May burn mouth, throat and stomach.

**Effects of long-term (chronic) exposure:** See Section 11

**Other important hazards:** Corrosive to metal.

### SECTION 4-FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air. If symptoms persist, call a physician. If breathing difficult, give oxygen. If breathing stopped, give artificial respiration.

**Skin contact:** Flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing. Call physician immediately. Wash contaminated clothing before reuse. Discard contaminated leather goods.

**Eye contact:** **IMMEDIATELY flush eyes with running water** for at least 20 minutes, keeping eyelids open. Call physician immediately.

**Ingestion:** Immediately call physician or poison control centre. DO NOT induce vomiting. Give several glasses of water or milk. Never give anything by mouth if victim is unconscious or convulsing. If vomiting occurs naturally, have victim lean forward to avoid aspiration (breathing in) of material.

### SECTION 5-FIRE FIGHTING MEASURES

**Fire hazards/conditions of flammability:** Not flammable. However, may generate flammable hydrogen gas on contact with metals. Hydrogen may collect inside containers to explosive levels.

**Flash point (Method):** Not applicable.

**Lower flammable limit (% by volume):** n/ap

**Upper flammable limit (% by volume):** n/ap

**Explosion data:** *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge:* Not sensitive.

**Oxidizing properties:** None. Auto-ignition temperature: None

**Suitable extinguishing media:** Use extinguishing materials that are appropriate for surrounding burning material, such as carbon dioxide, foam or dry chemical. If water must be used use it as a fog.

**Special fire-fighting procedures/equipment:** Fire-fighters should wear appropriate respiratory protection approved by NIOSH/MSHA, and Protective chemical suits.

**Hazardous combustion products:** Thermal decomposition may release toxic oxides of phosphorus, sodium or sulphur, as well as toxic chlorine gas.

## SECTION 6-ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear adequate personal protective equipment (see Section 7). Wash thoroughly after handling. Area of spill will be slippery.

**Environmental precautions:** Avoid release of spilled material into waterways such as streams and lakes.

**Spill response/cleanup:** Recover and reuse as much of the product as possible. Absorb remainder with inert absorbent such as vermiculite. Scoop up absorbent and place in corrosion-resistant containers, such as plastic, for disposal. Wash residue with detergent and flush with lots of water.

**Prohibited materials:** Avoid using aluminium or other easily corroded material to handle spills. Do not use acids to neutralize body of spill.

## SECTION 7-HANDLING AND STORAGE

**Safe handling procedures:** Product is corrosive. Avoid contact with skin, eyes and clothing. Wear proper protective equipment, including rubber or plastic gloves.

**Storage requirements:** Store in a cool, dry area. Keep away from incompatible materials (see Section 10). Store away from acids. Do not expose to temperatures above 40°C.

**Special packaging materials:** Plastic or glass containers.

## SECTION 8-EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation and engineering controls:** General ventilation adequate for small amounts. If large amounts are present (for example, in a spill) or exposure limits (see Section 11) are exceeded, use local exhaust.

**Respiratory protection:** Normally not required. If exposure limits are exceeded, or respiratory irritation occurs, use respirator approved for corrosive mists and chlorine.

**Protective gloves:** Rubber or neoprene gloves are recommended if skin contact might occur.

**Eye protection:** Chemical goggles recommended. Face shield when working with large amounts.

**Other protective equipment:** As required by workplace standards. An eyewash station or other source of flowing water should be in the area. Chemical safety shower is recommended.

## SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odour: Clear, yellow liquid, chlorine odour

**Odour threshold:** Not available

**Boiling point:** Not available

**Vapour pressure:** Not available

**Coefficient of oil/water distribution:** Not available

**Specific gravity or relative density (water+1):** 1.11 - 1.13

**Volatile organic compounds (VOC's):** Not available

**Percent Volatile by Weight:** Not Available

**ph:** 12.5 – 13.5

**Melting/freezing point:** Not available

**Solubility in water:** Soluble

**Vapour density:** Not available

**Percentage chlorine:** 0.5 – 1.0%

**Evaporation rate:** Not available

## SECTION 10-REACTIVITY AND STABILITY DATA

**Stability and reactivity:** Normally stable.

**Conditions to avoid:** Fire conditions, temperatures above 40° C, exposure to sunlight.

**Materials to avoid:** Strong acids, oxidizers such as hydrogen peroxide, ammonia and urea, most metals.

**Hazardous decomposition products:** Chlorine gas when in contact with acids; hydrogen or oxygen gas when in contact with metals.

## SECTION 11-TOXICOLOGICAL INFORMATION

**LD<sub>50</sub>:** Not established for this product. See Section 2 for values for ingredients.

**LC<sub>50</sub>:** Not established for the product. See Section 2 for values for ingredients.

**Exposure limits:** ACGIH-CEILING: 2 mg/3 for potassium hydroxide. ACGIH-TLV: 0.5 ppm (sodium hypochlorite, as Cl)

**Carcinogenicity:** None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogens.

Teratogenicity, mutagenicity, other reproductive effects: None available

**Sensitization to material:** Not reported

**Conditions aggravated by exposure:** Skin conditions.

**Synergistic materials:** None known.

## SECTION 12-ECOLOGICAL INFORMATION

**Environmental effects:** Product is corrosive. High pH (alkalinity) of material and chlorine concentration is harmful to aquatic life.

## SECTION 13-WASTE DISPOSAL

**Handling for disposal:** Reuse if possible. Do not discharge waste material into the environment

**Methods of disposal:** Use only licensed waste disposal services. Follow local, provincial or state, and federal regulations.

## SECTION 14-TRANSPORTATION INFORMATION

**Shipping description:** TDG – Corrosive Liquid, Basic, Inorganic, N.O.S., (Sodium Hydroxide, Sodium Hypochlorite), Class 8, UN3266, PGIII

**Please note:** This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

## SECTION 15-REGULATORY INFORMATION

**WHMIS information:** E

This product has been classified in accordance with the hazard criteria of the controlled products Regulations (CPR) and this MSDS contains all the information required by the CPR.

## SECTION 16-OTHER INFORMATION

**Prepared by:**

**Telephone Number:**

**Preparation Date: October 6, 2010**

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2004
2. International Agency for Research on Cancer Monographs, Supplement 7, 1988
3. Canadian Centre for Occupational Health and Safety. CHEMINFO database.
4. Material Safety Data Sheets from raw materials suppliers.

n/ap Not applicable      n/av Not available