

**MATERIAL SAFETY DATA SHEET****SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** 0837 - Sink and Shower.**WHMIS Classification:** D1A, E**Product use:** Bathroom Cleaner**Product Code Number:** 63895**MSDS Number:** 0837**Supplier name and address:**

Corporate Chemicals

7 Neilson St.

St. Catharines, ON L2M 5V9

(905) 682-8888

**Manufacturer's name and address:**

Refer to Supplier

**Emergency Telephone #:** CANUTEC (613) 966-6666**SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS**

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>LD<sub>50</sub> mg/kg oral/rat</u>	<u>LD<sub>50</sub> mg/kg skin/rabbit</u>	<u>LC<sub>50</sub> ppm inh/mouse</u>
Phosphoric acid	7664-38-2	7.5-15	1530	2740	n/av
Citric Acid	77-92-9	3-7	5040	n/av	n/av
Ethoxylated alcohol	68131-38-5-4	1-5	2000	n/av	n/av
Ethylene Glycol Monobutyl ether	111-76-2	1-5	470	220	n/av

**SECTION 3 — HAZARDS IDENTIFICATION****\*\*\*POTENTIAL HEALTH EFFECTS\*\*\*****Routes of entry:** Inhalation, ingestion, skin and eye contact.**Emergency Overview:** Danger! corrosive! Causes eye damage.

Exposure to hydrogen fluoride can produce harmful health effects that may not be immediately apparent.

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

*Inhalation:* Irritating and/or corrosive to the eyes, nose, throat and lungs. Moderately irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation, or if inhaled as a mist. Excessive exposure may cause irritation to upper respiratory tract. (Nose and Throat). Ethylene Glycol butyl ether: In humans, symptoms may include headache. In animal, effects have been reported to the following organs: Blood (hemolysis), secondary effects to the kidney and liver. Human red blood cells have shown to be significantly less sensitive to hemolysis than those of rabbits or rats.

*Skin contact:* Corrosive to the skin.

*Eye contact:* Contact can result in corneal damage.

*Ingestion:* Corrosive. May cause sore throat, abdominal pain, diarrhea, vomiting, severe burns of the digestive tract.

**Effects of long-term (chronic) exposure:** See Section 11. **Other important hazards:** None reported.**SECTION 4 — FIRST AID MEASURES****Inhalation:** Remove victim to fresh air. If symptoms persist, call a physician.**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. Obtain medical attention.**Eye contact:** IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Consult a doctor immediately.

**Ingestion:** Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.

#### SECTION 5 — FIRE FIGHTING MEASURES

**Fire hazards/conditions of flammability:** Not flammable.

**Flash point (Method):** Not applicable. °C (°F)

**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:** As appropriate for burning of surrounding products.

**Special fire-fighting procedures/equipment:** n/ap

**Hazardous combustion products:** n/ap

#### SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear adequate personal protective equipment.

**Environmental precautions:** No special precautions required.

**Spill response/Cleanup:** Recover and reuse as much of the product as possible. Restrict access to area until completion of clean up. Ensure trained personnel conduct clean up. Do not touch spilled material.

**Prohibited materials:** None known.

#### SECTION 7 — HANDLING AND STORAGE

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

**Storage requirements:** Store in a cool, dry area. Keep away from incompatible materials, (see Sect. 10)

**Special packaging materials:** Plastic or other corrosion resistant containers.

#### SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation and engineering controls:** Not normally required.

**Protective gloves/Skin protection:** Use protection suitable for conditions. Gloves butyl rubber or neoprene.

**Eye protection:** Use chemical goggles or a full face shield.

**Other protective equipment:** As required by workplace standards.

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Physical form, colour and odour:** Orange liquid.

**Odour threshold:** n/ap

**pH:** < 1.0

**Boiling point:** n/ap

**Melting/freezing point:** n/ap

**Vapour pressure:** n/ap

**Solubility in water:** Very soluble.

**Coefficient of oil/water distribution:** Essentially zero.

**Specific gravity or relative density (water = 1):** 1.07

**Vapour density:** n/ap

**Volatile organic compounds (VOC's):** n/ap

**Evaporation rate:** n/ap

**Percent Volatile by Weight:** n/ap

#### SECTION 10 — REACTIVITY AND STABILITY DATA

**Stability and reactivity:** Normally stable.

**Conditions to avoid:** Unintentional contact with water and moisture. Keep containers tightly closed, when not in use.

**Materials to avoid:** Strong bases, reactive metals.

**Hazardous decomposition products:** Oxides of nitrogen and carbon.

## 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 this product. See Section 2 for values for ingredients.

**Exposure limits: see section II**

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

**Teratogenicity, mutagenicity, other reproductive effects:** none

**Sensitization to material:** Not reported.

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

**Synergistic materials:** None known.

**Chronic Exposure:** None known

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders, eye problems.

## SECTION 12 — ECOLOGICAL INFORMATION

**Environmental effects:** Product is corrosive. Low pH (acidity) of material is harmful to aquatic life.

**Environmental Fate:** Not known.

**Environmental Toxicity:** This material is expected to be slightly toxic to aquatic life.

## SECTION 13 — WASTE DISPOSAL

**Handling for disposal:** Reuse if possible.

**Methods of disposal:** Follow local, provincial, state and federal regulations.

## SECTION 14 — TRANSPORTATION INFORMATION

**Shipping description:** TDG – Corrosive liquid, Acidic, Inorganic, N.O.S. (Phosphoric Acid), Class 8, UN1760, PG II

**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:** D1A, 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 for:** Corporate Chemicals

**Telephone number** (905) 682-8888

**Preparation date:** 16 January 2012

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2003.
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.
5. N. Irving Sax. Dangerous Properties of Industrial Materials, Seventh Edition.

n/ap Not applicable

n/av Not available

MV/mt