



MATERIAL SAFETY DATA SHEET

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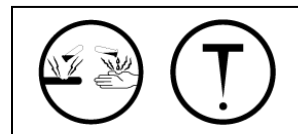
SECTION 1 - COMPANY INFORMATION

Sink 'n Shower

Product usage: Acid cleaner - descaler - soap scum remover
Product type: Inorganic acid detergent blend
WHMIS Class: E, D2B
Hazard Rating: HEALTH: (2) Moderate; FIRE: (0) Minimal; REACTIVITY: (1) Slight
TDG Class: Not regulated if less than "limited quantity" amount of 5 litres. For packages greater than 5 litres:
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID) CLASS 8 UN 3264 PG III

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

Manufacturer's name and address
Refer to Supplier



Emergency Telephone# CANUTEC (613) 996-6666

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS#	TOXICITY
Phosphoric Acid	<10	7664-38-2	LD50 (oral rat) 1500 mg/kg
Citric Acid	<10	77-92-9	LD50 (oral rat) 3000 mg/kg, LC50 unknown
Organic surfactants	<10		
2-Butoxyethanol	<5	111-76-2	LD50 470 mg/kg oral, rat. LD50 220 mg/kg (dermal rbt)
Ethylene Glycol Monobutyl			Ether TLV 25 ppm skin, LC50 450 ppm/4hr rat

SECTION 3 - HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Potential Chronic Health Effects

Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns.

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

SECTION 4 - FIRST AID MEASURES

Skin: Remove contaminated clothing immediately. Wash exposed areas with copious amounts of running water. Call a physician if necessary.

Eyes: Flush with water running water for 20 minutes lifting the upper and lower eyelids occasionally. Remove contact lenses. Get medical attention.

Ingestion: Do not induce vomiting. If victim is alert and not convulsing, give 1-2 glasses of water to dilute material. Immediately contact local poison control centre. Vomiting should be induced under the direction of a physician or a poison control centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Immediately transport victim to an emergency facility.

Inhalation: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.



SECTION 5 - FIRE FIGHTING MEASURES

Flash point:	Not flammable.
Flammability:	Not flammable.
Combustion products:	Oxides of carbon and sulphur.
To Extinguish:	Not applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Wear appropriate protective equipment.

Environmental Precautionary Measures: Prevent entry into sewers or streams, dike if needed. Consult local authorities.

Procedure for Clean Up: Neutralize with lime slurry, limestone, or soda ash. Neutralize contamination area and flush with large quantities of water. Try to work upwind of spill. Absorb with an inert dry material and place in an appropriate waste disposal container. Do not touch or walk through spilled material. Isolate hazard area and restrict access.

SECTION 7 - HANDLING AND STORAGE

As with all chemicals there are known and unknown effects on humans.
Minimize exposure of all chemicals, including this product, to skin, respiratory system, and eyes.
Keep out of reach of children. Avoid contamination of food.
Wash thoroughly after handling. Store in cool dry area. Do not freeze.

SECTION 8 - EXPOSURE CONTROLS & PROTECTIVE EQUIPMENT

Ventilation:	Normal building ventilation is adequate.
Breathing Protection:	Suitable breathing mask or respirator if mists or vapours are present.
Skin Protection:	Rubber gloves, rubber boots, or barrier cream if contact is expected.
Eye Protection:	Safety glasses with side shields when there is potential for eye contact

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear slightly amber liquid	Density (g/ml):	1.05 - 1.10
pH as is:	< 2	Freezing point:	-10 Deg. C.
pH use dilution:	2 - 3 for a 2 to 5 % solution	Boiling Point:	102 Deg. C.
Solubility in water:	Miscible	Evaporation Rate:	Greater than water
Odour:	Cherry	Viscosity:	Greater than water

SECTION 10 - REACTIVITY & STABILITY DATA

Product is stable. Avoid concentrated alkaline material as heat is generated.
Hazardous polymerization will not occur. Do not mix with strong acids, alkalis; oxidizing and reducing agents. Do not mix with chlorine bleach as poisonous chlorine gas is released.

SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Acute Exposure to:

Skin:	Concentrated solution may cause pain and severe burns to the skin if not washed off immediately. Prolonged and repeated exposure to dilute solutions may cause irritation, redness, pain and drying and cracking of the skin.
Eyes:	Mists may cause eye irritation. Splashes with concentrated solutions may cause severe burns and permanent eye damage.
Ingestion:	Severe burning and pain in the mouth, throat and abdomen. Vomiting, diarrhea and difficulty in breathing. In very severe cases, collapse and death.
Inhalation:	Vapour and mist may cause irritation of the nose and throat.
Other:	No carcinogenicity, teratogenicity, mutagenicity reported for ingredients



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SECTION 12 - ECOLOGICAL INFORMATION

Ingestion: Corrosive! May cause severe pain in the mouth, chest and abdomen, leading to cough, vomiting and collapse. Causes vomiting, nausea, and diarrhea.

Skin Contact: Corrosive. Contact with the skin may cause severe irritation, burns or tissue destruction.

Inhalation: Mists may cause irritation of upper respiratory tract. Coughing, shortness of breath, headaches and confusion may occur. Vapours may cause pulmonary edema.

Eye Contact: Corrosive to eye tissue and may cause severe damage and blindness.

Additional Information: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

Acute Test of Product:

Acute Oral LD50: Not Available.

Acute Dermal LD50: Not Available.

Acute Inhalation LC50: Not Available.

Carcinogenicity:

Ingredients

IARC - Carcinogens

ACGIH - Carcinogens

Phosphoric Acid

Not listed.

Not listed.

Water

Not listed.

Not listed.

Carcinogenicity Comment: No additional information available.

Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity: Not Available.

SECTION 13 - WASTE DISPOSAL

Disposal method: Neutralize with sodium bicarbonate, sodium carbonate, or lime, caution heat is generated. Package solid neutralized material in suitable plastic container such as a pail. Dispose of small neutralized amount in landfill sight. For larger amounts, contact local environmental department and environmental authorities.

SECTION 14 - TRANSPORTATION INFORMATION

DOT (U.S.):

DOT Shipping Name: PHOSPHORIC ACID, LIQUID

DOT Hazardous Class 8

DOT UN Number: UN1805

DOT Packing Group: III

DOT Reportable Quantity (lbs): Not Available.

Note: No additional remark.

Marine Pollutant: No.

TDG (Canada):

TDG Proper Shipping Name: PHOSPHORIC ACID, LIQUID

Hazard Class: 8

UN Number: UN1805

Packing Group: III

Note: No additional remark.

Marine Pollutant: No.

SECTION 15 - REGULATORY INFORMATION

Prepared by: Technical Dept.

Telephone: (905) 682-8888

SECTION 16 - OTHER INFORMATION

References: Suppliers Material Safety Data Sheets.

Preparation Date: July 1/2011

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)