

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: LIQUID DRAIN OPENER
Product Use: DRAIN AND SEWER MAINTENANCE LIQUID
Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7
Telephone: (204) 633-8553 Fax: (204) 633-8453 CANUTEC: (613) 996-6666

SECTION II - HAZARDOUS INGREDIENTS

Hazardous ingredients	CAS Number	Exposure limits	Weight %	OSHA PEL	ACGIH TLV
SODIUM HYDROXIDE	1310-73-2	2 mg/m ³ ACGIH TLV	40 - 50 %	2 mg/m ³ C	2 mg/m ³ C
POTASSIUM HYDROXIDE	1310-58-3	2 mg/m ³ ACGIH TLV-C	1 - 10 %	2 mg/m ³ C	2 mg/m ³ C

SECTION III - PHYSICAL DATA

Physical State: LIQUID Specific Gravity (20^oC): 1.48
Odour and appearance: CLEAR, SLIGHT HAZY VISCOUS LIQUID. LOW ODOUR.
Odour threshold: Not applicable. pH: 14.00
Vapour pressure (mm Hg): Not available. Vapour density (air = 1): Not available.
Evaporation rate (water = 1): Not available.
% volatile by volume: Not available. Solubility in water: SOLUBLE
Boiling point (C^o): Not available. Freezing point (C^o): Not available.
Coefficient of oil/water distribution: Not available.

SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: Not flammable or combustible.
Flash point (C^o): NONE - CLOSED CUP
Upper flammable limit: Not applicable. Lower flammable limit: Not applicable.
Autoignition temperature: Not applicable. Flammability classification: NONE
Conditions of flammability: NONE
Special fire fighting procedures: COOL FIRE-EXPOSED CONTAINERS WITH WATER FOG. FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS.
Means of extinction: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL.
Hazardous combustion products: APPLICATION OF WATER TO THIS MATERIAL CAN CAUSE VIOLENT EXOTHERMIC REACTIONS. CONTACT WITH SOME METALS (INCLUDING TIN, ZINC, ALUMINUM) MAY PRODUCE FLAMMABLE HYDROGEN GAS.
Sensitivity to mechanical impact: Not sensitive.
Sensitivity to static discharge: Not sensitive.

SECTION V - REACTIVITY DATA

Is the product stable? STABLE
Conditions of reactivity: MIXING THIS MATERIAL WITH WATER CAN CAUSE VIOLENT EXOTHERMIC REACTIONS.
Incompatible substances: STRONG ACIDS, TIN, ZINC, ALUMINUM, ORGANIC HALOGEN COMPOUNDS, AND ORGNIC NITRO COMPOUND.
Hazardous decomposition products: CONTACT WITH SOME METALS (INCLUDING TIN, ZINC, ALUMINUM) MAY PRODUCE FLAMMABLE HYDROGEN GAS.

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SECTION VI - TOXICOLOGICAL PROPERTIES

WHMIS CLASSIFICATION: CLASS E - CORROSIVE MATERIAL D 1 A VERY TOXIC.
Primary routes of exposure: SKIN AND EYE CONTACT, INHALATION, INGESTION.
Exposure limits: SEE SECTION II FOR LIMITS FOR INGREDIENTS.
Acute effects of exposure: **EYES:** SEVERE IRRITATION, REDNESS, DESTRUCTION OF TISSUE. SMALL QUANTITIES CAN RESULT IN PERMANENT DAMAGE AND LOSS OF VISION, POSSIBLY LEADING TO BLINDNESS. **SKIN:** SEVERE IRRITATION, BURNS, ULCERATIONS. SEVERITY IS DEPENDENT UPON LENGTH OF EXPOSURE. **INGESTION:** DANGER – MAY BE FATAL IF SWALLOWED. CAUSES BURNS TO THE MOUTH, ESOPHAGIS, STOMACH AND OTHER TISSUE ON CONTACT. SEVERITY IS DEPENDENT ON THE AMOUNT OF THE PRODUCT EXPOSED TO. **INHALATION:** MAY CAUSE BURNS TO UPPER RESPIRATORY TRACT AND TO LUNG TISSUE DEPENDING ON THE LENGTH OF EXPOSURE. PNEUMONITIS CAN RESULT FROM SEVERE EXPOSURE.
Sensitizer: NOT KNOWN TO BE A SENSITIZER.
Carcinogen: NOT LISTED - IARC, NTP, OSHA Mutagen: NOT KNOWN AS A MUTAGEN.

SECTION VII - PREVENTION MEASURES

Gloves: CHEMICAL RESISTANT	Respirator: WEAR A NIOSH APPROVED RESPIRATOR FOLLOWING MANUFACTURERS' RECOMMENDATIONS IF EXPOSURE LIMITS ARE EXCEEDED.	Eye protection: CHEMICAL GOGGLES /AND FACE SHIELD.
Footwear: NO SPECIAL REQUIREMENTS.	Clothing: PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.	Other: EMERGENCY SHOWER AND EYE WASH STATION.

Engineering controls: USE ONLY WITH ADEQUATE VENTILATION. DO NOT BREATHE VAPOURS OR SPRAY MISTS. Leak and spill procedures: VENTILATE AREA AND CONTAIN SPILL. SOAK UP SPILLED MATERIAL WITH INERT ABSORBENT MATERIAL AND PLACE IN A PROPERLY MARKED CLOSED CONTAINER FOR PROPER DISPOSAL.
Waste disposal: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.
Handling and storage requirements: STORE AWAY FROM ACIDS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.
Special shipping information: TDG UN 3266 CORROSIVE LIQUID, BASIC, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE). PACKING GROUP II.

SECTION VIII - FIRST AID MEASURES

Eye contact: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. OBTAIN IMMEDIATE MEDICAL ATTENTION.
Skin contact: FLUSH AREA WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. AND LAUNDRY CLOTHING SEPARATELY BEFORE RE-USE. FLUSH AREA WITH WATER FOR AT LEAST 15 MINUTES. OBTAIN IMMEDIATE MEDICAL ATTENTION.
Ingestion: CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. RINSE MOUTH WITH WATER AND GIVE PERSON 2 - 3 GLASSES OF WATER OR MILK. DO NOT INDUCE VOMITING. UNLESS TOLD TO DO SO BY A PHYSICIAN OR POISON CONTROL CENTRE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Inhalation: REMOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

SECTION IX - PREPARATION DATA

Information sources: MANUFACTURER'S MSDS,
Prepared by: SHARE CANADA
Telephone Number: (204) 633-8553
Preparation Date: January 1, 2016