MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND COMPANY INFORMATION

Product Name: Dissolve Alkaline Drain Opener Lite
Product Use: Cleaner
Product Code: 7786
Date of Issue: 09-14-12
Supplier: Evcor Solutions Inc.
Address: 530 Adelaide Street West
Site 6107
Toronto, Ontario . M5V 1T5
Telephone: (416) 409 7477

Emergency Phone: 613-996 6666 (CANUTEC)

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Name	%	C.A.S.#	LC/50, Route,Species	LD/50, Route,Species
Sodium Hydroxide	40	1310-73-2	Not available	500 mg/kg Oral, Rabbit

SECTION 3 – HAZARDS IDENTIFICATION

Emergency overview: Corrosive material. Avoid contact with eyes and skin.
Wear suitable protective clothing.
Avoid breathing vapour or mist.
Do not ingest. Rinse after handling.

Route of Entry: Eye contact, 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. Sodium hydroxide can penetrate to deeper layers of skin and corrosion will continue until removed. Burns may not be immediately painful; onset of pain may be delayed minutes to hours.
Inhalation: Mist or dust may cause damage to the upper respiratory tract and to the lung tissue depending on severity of exposure..
Ingestion: Causes burns to the mouth, throat and stomach. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

Effects of chronic exposure: Prolonged or repeated skin exposure to dilutions can cause drying, defatting and dermatitis.

SECTION 4 – FIRST AID MEASURES

Eye: Immediately flush with water for 20-30 minutes. Seek immediate medical attention.
Skin: Immediately rinse with water for 15-20 minutes. Seek medical attention if irritation develops and persists. Remove contaminated clothing and launder before reuse.
Inhalation: Remove to fresh air and take deep, slow breaths. Seek medical attention If breathing is difficult.
Ingestion: Do not induce vomiting. Rinse mouth with water. Then drink two or more glasses of water. Do not give anything by mouth if victim is unconscious. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: (deg C, TCC): None.
Upper Flammable Limits: Not applicable.
Lower Flammable Limits: Not applicable.
Auto Ignition Temperature (°C): Not available.
Hazardous Combustion Products (under fire conditions): Not available.
Fire fighting media and instructions: This product does not burn. Use extinguishing media that is appropriate for surrounding fire.
Special Exposure Hazards: Isolate and restrict area access. Product reacts with water. Reaction may produce heat and/or gases. This reaction may be violent. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Contact with some metals (particularly magnesium, aluminum and galvanized zinc) can rapidly generate hydrogen.
Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.
Risk of explosion of the product in the presence of static discharge: Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Use appropriate personal protective equipment as specified in Section 8.
Environmental Precautions and Clean Up Procedures: before attempting clean up, refer to hazard data given above. Ventilate area of leak or spill. Solutions can be recovered or carefully diluted with water and cautiously neutralized with acetic acid. Prevent large spills from entering sewers or waterways.
Contact emergency services and supplier for advice.
Rinse with water to clean up residue and reduce possible slippery floor hazard.

SECTION 7 – HANDLING AND STORAGE

Handling: Use appropriate measures when handling product.
Storage: Keep out of reach of children. Store in closed containers only.
Store away from incompatible materials. Store in a cool, dry well-ventilated area not to exceed 40°C.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: General ventilation normally adequate to control airborne levels.

Personal Protection: The selection of personal protective equipment varies, depending upon conditions of use.
Eye Protection: Where direct eye contact may be a problem, use chemical splash goggles to avoid possible contact.
Hand Protection: If prolonged/repeated contact occurs, use impervious (latex rubber) protective gloves.
Skin Protection: Wear suitable protective clothing. Use impervious (latex rubber) protective gloves.
Respiratory Protection: Not normally required if good ventilation is maintained. Wear appropriate respirator when ventilation is inadequate and occupational exposure limits are exceeded.

Name	Exposure Limit - ACGIH
Sodium Hydroxide	2 mg/m3 Ceiling

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odour: Clear blue, odourless.
Boiling Point: (deg C): Not available.
Specific Gravity: ((H2O =1)): 1.38
Vapour Pressure: (mm Hg): Not available.
Freezing/ Melting point: Not available.
Vapour Density (AIR=1): Not available.
Evaporation Rate (Water=1): Similar.
Solubility in water: Completely soluble.
pH (as supplied): >13.5
Odour threshold: Not available.
Physical State: Liquid.
Viscosity: Not available.

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable at normal temperatures.
Conditions to avoid: Mixing with water, acid or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas.
CONDITIONS TO AVOID: Avoid heat and open flame. Avoid contact with incompatible materials and moisture. See section 5.

Hazardous Decomposition Products: Thermal decomposition: Oxides of sodium.

SECTION 11 – TOXICOLOGICAL INFORMATION

Irritancy of Material: See Section 3 for Potential Health Effects.

Reproductive Effects: No Data Available.
Carcinogenic effects: None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogen.
Teratogenic effects, Mutagenic effects, Reproductive Effects, Sensitization effects: No data available.
Synergistic materials: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Fish Toxicity: Not available.
Environmental Fate: This material is inorganic and not subject to biodegradation.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with Local, Provincial and Federal Regulations.

SECTION 14 – TRANSPORTATION INFORMATION

T.D.G. CLASSIFICATION:

TDG Proper Shipping Name:	SODIUM HYDROXIDE, SOLUTION
Class	8
UN Number:	1824
Packing Group:	II
Note:	See shipping/receiving documents for specific transportation information.

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification: Class E - Corrosive Material.
Class D - Division 2B: Material causing other toxic effects (Toxic).

Canadian Domestic Substance List (DSL): All the ingredients are listed.
Additional Information: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required.

SECTION 16 – OTHER INFORMATION

Date: 09-14-12
Prepared by: Technical department
Date of previous issue: 00-00-00

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