

MATERIAL SAFETY DATA SHEET**SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** Dust Mop Treatment**Product use:** Cleaning agent**Product Code Number:** 63897**MSDS Number:** 0838**WHMIS Classification:** D2B**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) 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>
Alcohol Ethoxylate	68439-46-3	1-5	>2,000	n/av	n/av
Ethylene Glycol	107-21-1	15-60	4,700	n/av	n/av

SECTION 3 — HAZARDS IDENTIFICATION*****POTENTIAL HEALTH EFFECTS*******Routes of entry:** Ingestion and eye contact.**Signs and symptoms of short-term (acute) exposure:**

Inhalation: 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).

Skin contact: May cause skin irritation.

Eye contact: Contact can result in irritation.

Ingestion: May be harmful if swallowed, causing nausea, vomiting and diarrhea, possible central nervous system depression, with headache, giddiness and loss of coordination.

Effects of long-term (chronic) exposure: Prolonged skin contact may cause dermatitis. See Section 11.

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. MUTAGENIC EFFECTS:

Mutagenic for mammalian somatic cells. Non-mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS:

Not available.

DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, central nervous system (CNS).

Other important hazards: None reported.**SECTION 4 — FIRST AID MEASURES****Inhalation:** Remove victim to fresh air. If breathing difficulties persist, call a physician.**Skin contact:** Rinse with water. Wash with soap and water. Contact a physician if irritation develops.**Eye contact:** Flush eyes with running water for at least 15 minutes, keeping eyelids open. Get immediate medical attention.**Ingestion:** Do not induce vomiting. Call physician immediately. If vomiting occurs naturally, have victim lean forward to prevent aspiration of material into lungs.

Serious Ingestion:

Medical Conditions Aggravated by Exposure: Persons with pre-existing kidney, respiratory, eye, or neurological problems might be more sensitive to Ethylene Glycol. Notes to Physician: 1. Support vital functions, correct for dehydration and shock, and manage fluid balance. 2. The currently recommended medical management of Ethylene Glycol poisoning includes elimination of Ethylene Glycol and metabolites. Elimination of Ethylene Glycol may be achieved by the following methods: a. emptying the stomach by gastric lavage. It is useful if initiated within < 1 of ingestion. b. Correct metabolic acidosis with intravenous administration of sodium bicarbonate, adjusting the administration rate according to repeated and frequent measurement of acid/base status. c. Administer ethanol (orally or by IV (intravenously)) or fomepizole (4-methylpyrazole or Antizol)) therapy by IV as an antidote to inhibit the formation of toxic metabolites. d. If patients are diagnosed and treated early in the course with the above methods, hemodialysis may be avoided if fomepizole or ethanol therapy is effective and has corrected the metabolic acidosis, and no renal failure is present. However, once severe acidosis and renal failure occurred, however, hemodialysis is necessary. It is effective in removing Ethylene Glycol and toxic metabolites, and correcting metabolic acidosis.

SECTION 5 — FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Not flammable.

Flash point (Method): not applicable.

Lower flammable limit (% by volume): Not available

Upper flammable limit (% by volume): Not available.

Explosion data: *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge:* May be sensitive if heated to high temperatures.

Oxidizing properties: None.

Auto-ignition temperature: Not available

Suitable extinguishing media: Water, dry chemicals and carbon dioxide can be used on fires in which this product is involved.

Special fire-fighting procedures/equipment: Fire-fighters should wear chemical-resistant clothing (for example, chemical splash suit) and positive pressure self-contained breathing apparatus, approved by NIOSH/MSHA.

Hazardous combustion products: Combustion may release toxic or corrosive gases, such as oxides of carbon, sodium, sulphur or nitrogen.

SECTION 6 — ACCIDENTAL RELEASE MEASURES
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Personal precautions: Wear protective equipment as required by workplace standards.

Environmental precautions: Prevent spills from entering waterways.

Spill response/Cleanup: Recover and reuse as much of the product as possible.

Prohibited materials: None known.

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: Avoid contact with eyes.

Storage requirements: Store in a cool, dry area. Keep away from heat, incompatible materials, and sources of ignition.

Special packaging materials: Not prescribed.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION
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Ventilation and engineering controls: General ventilation should be sufficient.

Respiratory protection: Normally not required. If high concentrations of spray or mist generated, use a NIOSH/MSHA approved respirator equipped with organic vapour cartridges.

Protective gloves: Not normally required. If sensitive skin use impervious gloves.

Eye protection: Not normally needed. Safety glasses recommended if eye contact is possible.

Other protective equipment: Eyewash station and safety shower.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odour: Clear Light Green Liquid with banana 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): Not available
Volatile organic compounds (VOC's): Not available
Percent Volatile by Weight: Greater than 40%

pH: Not available
Melting/freezing point: Not available
Solubility in water: Complete
Vapour density: Not available
Evaporation rate: Not available

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Normally stable.
Conditions to avoid: Keep containers closed, when not in use.
Materials to avoid: Strong oxidizers, acids and alkalis
Hazardous decomposition products: Oxides of carbon, sodium, sulphur and nitrogen.

SECTION 11 — TOXICOLOGICAL INFORMATION

LD₅₀: Not established for this product. See Section 2 for values for ingredients.
LC₅₀: Not established for this product. See Section 2 for values for ingredients.
Exposure limits: ACGIH-TLV - Not established.
Carcinogenicity: None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogenic.
Teratogenicity, mutagenicity, other reproductive effects: None Known
Sensitization to material: Not reported.
Conditions aggravated by exposure: Skin conditions such as dermatitis.
Synergistic materials: None known.

SECTION 12 — ECOLOGICAL INFORMATION

Environmental effects: Based on review of raw materials, this product would be expected to be biodegradable.

SECTION 13 — WASTE DISPOSAL

Handling for disposal: Reuse if possible. Keep in closed, labelled containers, away from heat.
Methods of disposal: Follow local, provincial, state and federal regulations.

SECTION 14 — TRANSPORTATION INFORMATION

Shipping description: Not regulated TDG
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: D2B
 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 2001.
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
gm gram

MV/mt