

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Glass Cleaner # 77C (Ready-To-Use) **Product Use:** Glass & Multi Surface Cleaner
Manufacturer: Enviro-Solutions Limited **Supplier:**
Address: 2060 Fisher Dr. **Address:**
Peterborough, ON K9J 8N4
Telephone: (705)-745-3070 **Telephone:**
Emergency Phone: CANUTEC (613)-996-6666

SECTION II – INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TL	LD ₅₀
Water	7732-18-5	60-100	Not applicable	Not applicable	14,500 mg/kg (oral, rat)
Polyoxyethylene lauryl ether	9002-92-0	0-1	Not applicable	Not applicable	1,450 mg/kg (oral, rat)
Fragrance	Mixture	0-1	Not applicable	Not applicable	Not available
1-Butoxypropanol	29387-86-8	0.1-2	Not applicable	Not applicable	3,300 mg/kg (oral, rat)
Ethanol	64-17-5	0.1-2	1000 ppm TWA	1000 ppm TWA	7,060 mg/kg (oral, rat)
Blue FD&C #1	3844-45-9	0-1	Not applicable	Not applicable	Not available

SECTION III – HAZARDS IDENTIFICATION

Route of Entry: Eye, skin contact, inhalation, ingestion.

Potential Health Effects:

Eye Contact: May cause mild irritation.

Skin Contact: May cause mild irritation.

Inhalation: No hazards under normal conditions of use.

Ingestion: May cause gastro intestinal irritation with nausea, vomiting and diarrhea.

Chronic Effects/Carcinogenicity:

Carcinogenicity: No ingredients listed by IARC or NTP

SECTION IV – FIRST AID MEASURES

Eye Contact: Flush with water for 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Flush with water for 15 minutes. Seek medical attention if irritation develops.

Inhalation: Remove to fresh air and take deep, slow breaths. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Seek medical attention if symptoms persist.

SECTION V – FIRE FIGHTING MEASURES

Flammability: Not flammable.

Flash Point: (deg C, TCC): None

Hazardous Combustion Products: Oxides of carbon.

Means of Extinction: Water, dry chemical, carbon dioxide, or foam.

Special Fire Hazards: None known to us at this time.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. For large quantities, dispose of in accordance with local, state/provincial and federal laws.

SECTION VII – HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in closed container. Store away from incompatible materials.

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Not normally required if used as directed.

Eye protection: Not normally required if used as directed.

Respiratory protection: Not normally required if good ventilation is maintained.

Other protective equipment: As required by employer code.

Engineering Controls: General ventilation normally adequate.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C): 95 **Specific Gravity (H₂O =1):** 1.000 **Evaporation Rate (Water=1):** Similar
% Volatile (Wt%): 99.91 **Solubility in water:** Soluble **pH (as supplied):** 7.4
Physical State: Liquid **Viscosity:** Water thin **Appearance/Odor:** Blue, mild odor

SECTION X – STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable

Incompatible Materials: Strong oxidizing agents. Strong Bases.

Hazardous Decomposition Products: Not available.

SECTION XI – TOXICOLOGICAL INFORMATION

The calculated LD₅₀ of the product is 14,400 mg/kg (oral, rat).

SECTION XII – ECOLOGICAL INFORMATION

Biodegradability: All organic ingredients of this formula have been tested by an independent laboratory and all are readily biodegradable as measured by OECD Test method 301D. This measures biodegradability under load and in simulated real life conditions.

Aquatic Acute Toxicity: 96 hour Rainbow trout LC₅₀ 80 mg/L
(At concentrate) 48 hour Daphnia magna LC₅₀ 80 mg/L

72 hour Algae growth inhibition test LC₅₀ 60mg/L

These results exceed standards of 10 mg/L set by recognized testing authorities for green products.

SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local state/provincial and federal regulations.

SECTION XIV - TRANSPORTATION

T.D.G. Classification: Not regulated.

D.O.T. Classification: Not regulated.

SECTION XV – REGULATORY INFORMATION

Occupational Health and Safety Regulations:

WHMIS Class: Not WHMIS controlled.

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations Under the Hazardous Product Act).

Environmental Regulatory Lists:

SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of these ingredients are listed.

RCRA – Section 102 (Reportable Quantity) 40 CFR 302 – None of these ingredients are listed.

RCRA 40 CFR 261 (Subpart D) – None of these ingredients are listed.

CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116: None of these ingredients are listed

CLEAN AIR ACT – Section 312 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C) – None of these ingredients are listed.

National Pollutant Release Inventory – None of these ingredients are listed.

Toxic Substances Control Act (TSCA) – All the ingredients are registered on the Chemical Substance Inventory.

Canadian Domestic Substance List (DSL) – All the ingredients are registered on the DSL

SECTION XVI – OTHER INFORMATION

Date: Dec. 16, 2005 **Prepared by:** Technical Services Group

Telephone: (705)-745-3070

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400), or CSST in Montreal, Quebec (514-873-3990).