MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Scrub Free Stripper #85	**Product Use:**	Floor Stripper
Manufacturer:	Enviro-Solutions Limited	**Supplier:**	
Address:	2060 Fisher Dr., Peterborough, ON K9J 8N4	**Address:**	
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	40-70	Not applicable	Not applicable	14,500 mg/kg (oral, rat)
Monoethanolamine	141-43-5	10-30	3 ppm TWA	3 ppm TWA	1,720 mg/kg (oral, rat)
2-(2-Butoxy ethoxy)ethanol	112-34-5	5-10	Not applicable	Not applicable	5,660 mg/kg (oral, rat)
Propylene glycol	57-55-6	5-10	Not applicable	Not applicable	20,000 mg/kg (oral, rat)
Alcohol alkoxylates	NJ TSRN :07613759-02	1-5	Not applicable	Not applicable	>2,000 mg/kg (oral, rat)
1-Butoxypropanol	29387-86-8	1-5	Not applicable	Not applicable	3,300 mg/kg (oral, rat)
Ethanol	64-17-5	1-5	1000 ppm TWA	1000 ppm TWA	7,060 mg/kg (oral, rat)
Fragrance	Mixture	0-1	Not applicable	Not applicable	>5,000 mg/kg (oral, rat)
Hydroxyacetic acid	79-14-1	0-1	Not applicable	Not applicable	4,240 mg/kg (oral, rat)

SECTION III – HAZARDS IDENTIFICATION

Route of Entry: Eye, skin contact, inhalation, ingestion.
Potential Health Effects:
Eye Contact: May cause irritation upon direct contact.
Skin Contact: May cause irritation upon direct/prolonged contact.
Inhalation: No hazards under normal conditions of use. Prolonged exposure may cause nose, throat and respiratory tract irritation.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Chronic Effects/Carcinogenicity:
Carcinogenicity: No ingredients listed by IARC or NTP.
Skin: Can be absorbed through skin in toxic amounts if contact is repeated and prolonged.

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 by WHMIS criteria. **Flash Point: (deg C, TCC):** None
Hazardous Combustion Products: Oxides of carbon, oxides of nitrogen.
Means of Extinction: Water, dry chemical, carbon dioxide, or foam.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.

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 V II – 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: Use of protective gloves is recommended.
Eye protection: Where direct eye contact may be a problem, use chemical splash goggles.
Respiratory protection: Not normally required if good ventilation is maintained and exposure guidelines are not exceeded. If mist is generated during application process, use disposable mist respirator.
Other protective equipment: As required by employer code.
Engineering Controls: General ventilation normally adequate.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (deg C): 100 **Specific Gravity (H_2O=1):** 1.010 **Evaporation Rate (Water=1):** Similar
% Volatile (Wt%): 84.4 **Solubility in water:** Complete **pH (as supplied):** 11.4
Physical State: Liquid **Viscosity:** Water
Appearance/Odor: Colorless, sweet odor

SECTION X – STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable
Incompatibility Materials: Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen when heated.

SECTION XI – TOXICOLOGICAL INFORMATION

The calculated LD_{50} of the product is 5,400 mg/kg (oral, rat). This product is expected to be irritating to the eyes or skin upon prolonged contact.

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	LC_{50} >40 mg/L
(at concentrate)	48 hour Daphnia magna	LC_{50} >28mg/L
	72 hour Algae growth inhibition test	LC_{50} >50 mg/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 under TDG
D.O.T. Classification: Not regulated under DOT

SECTION XV – REGULATORY INFORMATION

Occupational Health and Safety Regulations:
WHMIS Class: D2B
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 – 2-(2 Butoxy ethoxy) ethanol is listed.
CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 – None of these ingredients are listed.
RCRA 40CFR 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) – 2-(2 Butoxy ethoxy) ethanol is listed.
National Pollutant Release Inventory – None of the 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 or 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).