

# MATERIAL SAFETY DATA SHEET

## SECTION I – PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Neutral Floor Cleaner #84      **Product Use:** Floor 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 <sub>50</sub>
Water	7732-18-5	60-100	Not applicable	Not applicable	14,500 mg/kg (oral, rat)
Alcohol alkoxyates	NJTSRN :07613759-02	1-5	Not applicable	Not applicable	>2,000 mg/kg (oral, rat)
Ethanol	64-17-5	1-5	1000 ppm TWA	1000 ppm TWA	7,060 mg/kg (oral, rat)
Sodium citrate	68-04-02	1-5	Not applicable	Not applicable	1,548 mg/kg (i.p., rat)
Propylene glycol	57-55-6	0-2	Not applicable	Not applicable	20,000 mg/kg (oral, rat)
Citric acid	77-92-9	0-2	Not applicable	Not applicable	>5,040 mg/kg (oral, rat)
Fragrance	mixture	0-1	Not applicable	Not applicable	>5,000 mg/kg (oral, rat)
Yellow tartrazine	1934-21-0	0-1	Not applicable	Not applicable	>1,000 mg/kg (oral, rat)

## SECTION III – HAZARDS IDENTIFICATION

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

**Potential Health Effects:**

**Eye Contact:** May cause moderate to high irritation.

**Skin Contact:** May cause moderate to high irritation.

**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. Non-hazardous by WHMIS standards

## 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 to boiling

**Hazardous Combustion Products:** Oxides of carbon, oxides of nitrogen.

**Means of Extinction:** Treat for surrounding material.

**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. Product is readily biodegradable as per OECD Test Method 301D. 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:** If prolonged/repeated contact can occur, use protective gloves.

**Eye protection:** Where direct eye contact may be a problem, use chemical splash goggles.

**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):** 96      **Specific Gravity (H<sub>2</sub>O=1):** 1.007      **Evaporation Rate (Water=1):** Similar  
**% Non Volatile (Wt%):** 96.1      **Solubility in water:** Soluble      **pH (as supplied):** 6.8  
**Physical State:** Liquid      **Viscosity:** Water thin      **Appearance/Odor:** Yellow, Natural Fragrance.

## SECTION X – STABILITY AND REACTIVITY

**Conditions for Chemical Instability:** Stable

**Incompatibility Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Not available.

## SECTION XI – TOXICOLOGICAL INFORMATION

The calculated LD<sub>50</sub> of the product is 10,764 mg/kg (oral, rat). This product will be irritating to the eyes or skin upon direct and 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<sub>50</sub> 37 mg/L  
(at concentrate)      48 hour Daphnia magna      LC<sub>50</sub> 40 mg/L  
72 hour Algae growth inhibition test      LC<sub>50</sub> 276 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 –** None of these ingredients are 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) – None of these ingredients are 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 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).