



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Envirocide Odor Eliminator
Product Code: ES58
Product Use: Deodorizer

Manufacturer/Supplier: Enviro-Solutions Limited
Address: 2060 Fisher Drive
 Peterborough, ON K9J 8N4
Telephone: (705) 745-3070

Emergency Phone: CANUTEC (613) 996-6666

HMIS Hazard Rating	
HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	B



0 – Insignificant
 1 – Slight
 2 – Moderate
 3 – High
 4 – Extreme

SECTION II – INFORMATION ON INGREDIENTS

Ingredients	CAS#	WT%	ACGIH-TLV	LD ₅₀	LC ₅₀
Water	7732-18-5	30-60	Not applicable	90,000 mg/kg (Oral, Rat)	NA
Propylene glycol	57-55-6	10-30	Not applicable	18,300 mg/kg (Oral, Rat)	NA
Ethanol	64-17-5	5-10	1000 ppm TWA	9,000 mg/kg (Oral, Rat)	NA
Alcohol alkoxylates	NJ TRSN: 07613759-02	1-5	Not applicable	>2,000 mg/kg (Oral, Rat)	NA
Fragrance	Mixture	1-5	Not applicable	>5,000 mg/kg (Oral, Rat)	NA
Sodium laureth sulfate	68585-34-2	0.1-1	Not applicable	>2,000 mg/kg (Oral, Rat)	NA
US Grape Dye	Mixture	0-0.1	Not applicable	NA	NA

SECTION III – HAZARDS IDENTIFICATION

Route of Entry: Eye, skin contact, inhalation, ingestion.
Effects of Acute Exposure:
Eye Contact: May cause mild to moderate irritation upon direct contact.
Skin Contact: May cause mild to moderate irritation to those with sensitive skin.
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.
Effects of Chronic Exposure: See Section 11.

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. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.

SECTION V – FIRE FIGHTING MEASURES

Flammability: Combustible.
Flash Point: (deg C, TCC): 45.
UEL: 19% (Ethanol)
Auto-Ignition Temperature: None
Hazardous Combustion Products: Oxides of carbon.
Means of Extinction: Water mist (fog), dry chemical, carbon dioxide, or foam.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.
Explosion Data – Sensitivity to Mechanical Impact: None.
Explosion Data – Sensitivity to Static Discharge: None.

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 in a cool, dry, well-ventilated area away from incompatible materials.

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Rubber gloves may be advisable if repeated/prolonged contact may occur or for those with sensitive skin.
Eye protection: Use safety glasses when direct contact may occur.
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

Appearance/Odor: Purple; Floral	Physical State: Liquid
Boiling Point (°C): 94	% Volatile (Wt%): >50
Specific Gravity (H₂O=1): 1.00	pH (as supplied): 7-40
Evaporation Rate (Water=1): Similar	Viscosity: Water thin.
Coefficient of Water/Oil Distribution: NE	Solubility in Water: Soluble
Vapor Pressure: NA	Odor Threshold: NE

SECTION X – STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable.
Incompatibility Materials: May react with strong oxidizing agents.
Conditions of reactivity: NE
Hazardous Decomposition Products: Oxides of carbon.

SECTION XI – TOXICOLOGICAL INFORMATION

LD₅₀: Not established for this product.
LC₅₀: Not established for this product.
Conditions Aggravated by Exposure: None known.
Sensitization to Product: None known.
Carcinogenicity: No ingredients listed by IARC or NTP. Non-hazardous by WHMIS standards.
Teratogenicity, Mutagenicity, Reproductive Effects: None known.
Toxicologically Synergistic Products: None known.

SECTION XII – ECOLOGICAL INFORMATION

Biodegradability: Not established for this product.
Aquatic Acute Toxicity: Not established for this product.

SECTION XIII – DISPOSAL CONSIDERATIONS

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

SECTION XIV – TRANSPORTATION

Special Shipping Information: Keep from freezing.
T.D.G. Classification: Not regulated under T.D.G.
D.O.T. Classification: Not regulated under D.O.T.

SECTION XV – REGULATORY INFORMATION

Occupational Health and Safety Regulations:
WHMIS Class: D2B, E3.
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: September 30, 2011
Prepared by: Technical Services Group
Telephone: (705) 745-3070

NA: Not Available

NE: Not Established

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 (514-573-3900).

WASHROOM AND ODOUR CONTROL

ENVIRO

Solutions™

58

ENVIROCIDE ODOR ELIMINATOR

- Features Envirocide, a unique blend of essential oils selected to absorb, combine and neutralize odors
- Renders the worst odors, such as smoke, urine, garbage, feces and mildew undetectable
- Not a cover-up

DIRECTIONS:

ELIMINATE AIRBORNE ODORS

- With a trigger sprayer, spray in fine mist - Spray perimeter of room, then lightly spray furniture, drapes, and other fabrics and articles that retain bad odors

ELIMINATE ODORS AT SOURCE

- Spray or squirt into empty garbage and refuse containers, carpets, drapes, and pet areas, etc., wherever foul odors originate

CARPET EXTRACTION, MOPPING & LAUNDRY SOLUTIONS

- Dilute 4 oz. (120mL) per 1 U.S. gallon (3.78 litres) of water

DILUTIONS

58C

- 1:4 - Heavy
- 1:8 - Regular
- 1:12 - Light

SIZES:

- 58C - 4.73 L (1.25 U.S. gallon)
 - 1.89 L (0.50 U.S. gallon)
- 58 - 3.78 L (1.0 U.S. gallon)
 - 946 mL (1 U.S. quart)

CAUTION: On fabric or carpets, test first for color fastness



PACKAGING

Wherever possible, bottles and pails made from recycled plastic (10 - 25%). Can be recycled where facilities exist. Boxes made from recycled cardboard (94 - 100%).



BIODEGRADABILITY

(Decomposition of organic substances into carbon dioxide, water and other harmless substances.) Rapid biodegradation reduces impact on the environment and food chain. All organic cleaning ingredients in these formulas are readily biodegradable per OECD Test 301D.



HEALTH & SAFETY

No ingredient found on major regulatory lists. Non-flammable and non-corrosive at use dilution.



NATURAL RENEWABLE RESOURCES

Wherever possible, we use only naturally-based, renewable ingredients, such as grains, corn oil, palm kernel oil, coconut oil, sugar cane juice & glucose.



TOXICITY

Acute Oral/Dermal Product considered essentially non-toxic according to WHMIS regulations.



AQUATIC TOXICITY

Product exceeds recognized acute toxicity standards for fish, invertebrate and algae at use dilution.



CERTIFIED

Environmental Choice Program - CCD Other

ENVIRO
Solutions™

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