



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Impregnator Sealer – Stone, Tile & Grout
Product Code: ES99
Product Use: Sealer for stone, tile and grout
Manufacturer/Supplier: Enviro-Solutions Limited
Address: 2060 Fisher Dr., Peterborough, ON K9J 8N4
Telephone: (705) 745-3070

| HMIS Hazard Rating | |
|---------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | B |



Emergency Phone: CANUTEC (613) 996-6666

SECTION II – INFORMATION ON INGREDIENTS

| Ingredients | CAS# | WT% | ACGIH-TLV | LD ₅₀ | LC ₅₀ |
|-------------------------------------|------------|---------|----------------|--------------------------|------------------|
| Water | 7732-18-5 | 60-100 | Not applicable | 14,500 mg/kg (Oral, Rat) | NA |
| Perfluoroalkyl polymer emulsion | Mixture | 0.1-1.0 | Not applicable | >2,000 mg/kg (Oral, Rat) | NA |
| Dipropylene glycol monomethyl ether | 34590-94-8 | 0-0.1 | 100 ppm TWA | 5,200 mg/kg (Oral, Rat) | NA |
| Diethyl succinate | 123-25-1 | 0-0.1 | Not applicable | 8,350 mg/kg (Oral, Rat) | NA |

SECTION III – HAZARDS IDENTIFICATION

Route of Entry: Eye, skin contact, inhalation, ingestion.
Effects of Acute Exposure:
Eye Contact: May cause mild irritation upon direct contact.
Skin Contact: May cause mild irritation upon direct 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.
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: Not flammable. **Flash Point:** (deg C, TCC): None
LEL: None **UEL:** None
Auto-Ignition Temperature: None
Hazardous Combustion Products: Oxides of carbon, hydrogen fluoride or carbonyl fluoride.
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. Wash surface with plenty of water. 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: White emulsion; mild
Boiling Point (°C): ~100 **Freezing Point (°C):** ~-0
Specific Gravity (H₂O=1): 1.00
Evaporation Rate (Water=1): Similar
Coefficient of Water/Oil Distribution: NE
Vapor Pressure: NA
Physical State: Liquid
% Volatile (Wt%): >95
pH (as supplied): 6-40
Viscosity: Water thin.
Solubility in Water: Dispersible
Odor Threshold: NE

SECTION X – STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable.
Incompatibility Materials: May react with strong oxidizing agents or alkalis.
Conditions of reactivity: NE
Hazardous Decomposition Products: Oxides of carbon, hydrogen fluoride or carbonyl fluoride.

SECTION XI – TOXICOLOGICAL INFORMATION

LD₅₀ (Calculated): NE
LC₅₀: NE
This product may cause irritation to the eyes or skin upon prolonged contact.
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: NE
Aquatic Acute Toxicity: NE
(of concentrate)

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 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: January 14, 2009

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 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 (514-873-3980).



IMPREGNATOR SEALER - STONE, TILE & GROUT

Is a water based product designed to give protection against water and oil based stains on grouted surfaces. May be used on ceramic tile, terrazzo, and concrete floors.

DIRECTIONS:

- Clean grout/floor and allow to dry for 6 to 12 hours to ensure a thorough dry (grout should be one consistent color).
- Apply ES 99 Impregnator Sealer with a finish mop if applying to the total surface. If desiring to only seal the grout, use a moss squeegee or sprayer to direct product to the grout and wipe excess material off floor with a clean, dry microfiber mop.
- Let sit & penetrate for 2 to 6 hours.
- Apply a second coat.
- If possible, allow to dry for 24 hours before traffic. Maximum protection is achieved after 24 hours.
- For daily cleaning, use ES 84 Neutral Floor Cleaner.

CAUTION:

- Protect all adjoining surfaces and all other surfaces in which you do not want to have ES 99 come in contact with and all non-masonry surfaces.
- This product does not protect floors against sub floor humidity.
- Keep From Freezing

SIZES:

18.9 L (5.0 U.S. gallon)
3.78 L (1.0 U.S. gallon)



HEALTH & SAFETY

Product contains a low odor, safe solvent and surfactant system.

Product does not contain:

| | | |
|-------------------|------|-----------|
| Formaldehyde | CAS# | 50-00-0 |
| Glycol Ether DM | CAS# | 111-77-3 |
| Nonyl Phenol | CAS# | 9016-45-9 |
| Glycol Ether DE | CAS# | 111-90-0 |
| Dibutyl Phthalate | CAS# | 87-74-2 |
| Ethylene Glycol | | |
| Monobutyl Ether | CAS# | 111-76-2 |



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%).



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.



Distributed By:

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