

**MATERIAL SAFETY DATA SHEET****1. Product Information****Product Name:** BioStreme™ 111 Concentrate**Product Use:** Solid Waste Topical Treatment**Product Identification #:** UN – Not regulated for transport**Shipping Name:** Not regulated for transport**Transport of Dangerous Goods Class:** Not regulated for transport**WHMIS Class:** Not controlled**Emergency Tel:** (705) 735-9535**2. Hazardous Ingredients:****Ingredients:** Proprietary Formulation

CAS #	Wt %	TWAEV (ppm)
-	100	Not listed
LD <sub>50</sub> -Oral	Skin (mg/kg)	Inhalation
Not established	Not an irritant	(LD <sub>50</sub> – ppm)
		Not established

**3. Physical Data****Odour & Appearance:** Dark brown liquid with characteristic odour.**Odour Threshold:** Not known**Vapour Pressure:** As water**Vapour Density (air = 1):** As water**Boiling Point:** Approx. 105 °C**Freezing Point:** Approx -5 °C**Specific Gravity:** 1.10 (20/20 °C)**Water Solubility:** Complete**pH:** About 3.0**4. Flammability & Reactivity****Flash Point:** Will not burn**Flammable Limits:** N/A**LEL:** None**UEL:** None**Extinguishing Media:** N/A**Firefighting Precautions:** None**Sensitivity to Static Discharge:** Not sensitive**Sensitivity to Mechanical Impact:** Not sensitive**Dangerous Decomposition Products:** None**Chemical Stability:** Stable**Incompatibility (Materials to avoid):** Chlorine and strong oxidizers**Hazardous Polymerization:** Will not occur**5. Toxicology****Skin Contact:** May irritate with long exposure**Skin Absorption:** No**Eye Contact:** May irritate**Inhalation:** Vapor may irritate**Ingestion:** Likely to irritate the mouth and esophagus**Health Hazards (Acute & Chronic):** None**Carcinogenicity:** None**Medical Conditions Generally Aggravated by****Exposure:** Dry Skin**Emergency & First Aid****Procedure:** N/A in normal operation**Eyes:** Flush thoroughly with fresh water; seek medical attention if irritation persists.**Skin:** Flush with fresh water, remove contaminated clothing.**Ingestion:** Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, place victim in recovery position. Seek medical help promptly.**6. Protective Equipment****Hands:** Rubber gloves**Eyes:** Safety glasses or face shield**Ventilation:** Local exhaust, normal air dilution**Respiratory Protection:** None**7. Environment****Handling Spill:** Recover liquid with pumps; absorb residue on a sorbent, sweep & store in closed containers for disposal. If less than 20 liters, flush to drain with about five times the amount of water.**Waste Disposal:** Not a hazardous waste; may be dumped in sanitary landfill (with local approval)**Bioaccumulation:** This product cannot accumulate in living tissue**Biodegradation:** Organic constituents of this product biodegrade in the presence of oxygen; inorganic components (salts) do not degrade, but may be taken up by plant tissue

## 8. Storage & Handling

Store for up to one year in a cool dry environment above 4°C. Do not cut, drill, weld or grind on or near this container. Avoid prolonged contact with skin and wash work clothes frequently.

## 9. First Aid

**SKIN:** Wash with soap and plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned.

**EYES:** Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.

**INHALATION:** Remove from contaminated area promptly.

**CAUTION: Rescuers must not endanger themselves.** If breathing stops, administer artificial respiration, seek medical aid promptly.

**INGESTION:** Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, place victim in recovery position. Seek medical help promptly.

*NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this product. The stomach should be emptied under medical supervision, after installation of an airway to protect the lungs.*

## 10. Preparation Information:

**Prepared By:** Filter Innovations Inc.

**Date:** February, 2008

**Tel:** (416) 490-7848

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 this supplier, it is assumed the 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 within this form. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).

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