MATERIAL SAFETY DATA SHEET

EcoEXEMPT® HC

HERBICIDE CONCENTRATE

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200, the EU Directive, 91/155/EEC and other regulatory requirements.

1. COMPANY & PRODUCT IDENTIFICATION

Product: EcoEXEMPT® HC Herbicide Concentrate

Manufacturer: EcoSMART Technologies, Inc.
318 Seaboard Lane, Suite 208, Franklin, TN 37067

For General Information: (888) 326-7233 (9am to 5pm CST)

Emergency Telephone Number:
InfoTrac Chemical Response System (800) 535-5053 (24 hours)

2. INGREDIENTS

Eugenol (active ingredient)		**2-Phenethyl Propionate (active ingredient)**	
% by weight:	21.4%	**% by weight:**	21.4%
CAS:	97-53-0	**CAS:**	122-70-3
Exposure Limits:	None established	**Exposure Limits:**	None established
Water		**Lecithin**	
% by weight:	20% - 70%	**% by weight:**	1.0% - 5.0%
CAS:	7732-18-5	**CAS:**	8002-43-5
Exposure Limits:	None established	**Exposure Limits:**	None established

3. HAZARDS IDENTIFICATION

Overview:
- Milky white liquid with a floral scent.

Potential Health Effects: Prolonged exposure to this product may cause skin irritation, eye/nasal irritation, dizziness, headache or nausea.
State of California requires any product containing 8.5% or more of Eugenol and/or 8.5% or more of 2-Phenethyl Propionate must at a minimum bear the signal word "Caution", the phrase "Keep Out of Reach of Children", appropriate precautionary language, and a requirement for protective eyewear and gloves.

4. FIRST AID MEASURES

Eyes: Flush with plenty of water. Seek medical attention if irritation persists.
Skin: Wash with soap and water.
Inhalation: Remove exposed person(s) to fresh air.
Ingestion: Rinse mouth out with water. Do not induce vomiting. Seek medical attention if feeling sick or nauseous

5. FIRE FIGHTING MEASURES

Flashpoint (active ingredient): 188°F (TCC)
Flammable Limits: Not tested
Extinguishing Media: Use Foam, Carbon Dioxide, or Dry Chemical extinguishers.
Fire and Explosion Hazards: The product is combustible.
Special Fire Fighting Procedures: None
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, smoke, fumes, and unburned hydrocarbons and terpenes.

6. SPILL/LEAK PROCEDURES

If spilled, absorb liquid with an inert absorbent material and dispose of the empty container and absorbent material in accordance with local ordinances. Components of this product are not considered EPA hazardous wastes.

7. HANDLING & STORAGE

Keep container tightly closed when not in use. Store only in the original container in a cool, dry place. Do not smoke or eat in the product handling area. Keep out of the reach of children and animals. DO NOT ALLOW TO FREEZE.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation is not required. If large quantities are handled indoors, ensure adequate mechanical ventilation.
Respiratory Protection: Not required with adequate ventilation. If ventilation is poor and large quantities are being handled, wear a properly fitted half-face or full-face air-purifying respirator which is approved for pesticides (NIOSH/MSHA in U.S.).
Eye Protection: Safety glasses or chemical goggles.
Gloves: Wear Nitrile, Neoprene, or natural rubber gloves.
Other Protective Equipment: Not required

9. PHYSICAL PROPERTIES

Appearance: Milky white liquid **Odor:** Floral scent
Specific Gravity: (water =1): 0.99 - 1.1 g/ml

10. STABILITY & REACTIVITY

Chemical Stability: Stable **Hazardous Polymerization:** Will not occur

11. TOXICOLOGICAL INFORMATION

Rat Acute Oral: >5000 mg/kg **Rat Acute Dermal:** >5000 mg/kg
Acute effects from Overexposure: This product has low oral and dermal toxicity. Prolonged contact with the skin may cause irritation, and contact with the eyes may cause eye irritation. Inhalation of the vapor may cause irritation of nasal passages and/or dizziness. Ingestion of this product could result in irritation of the gastrointestinal tract, headache or nausea.
Chronic Effects from Overexposure: No data is available.
Carcinogenicity: **NTP:** No **OSHA:** No

12. ENVIRONMENTAL INFORMATION

While specific data regarding toxicity to fish or other aquatic organisms is not available for this product, care should always be taken to prevent pesticides from entering aquifers.

13. DISPOSAL

Do not reuse empty container. Triple rinse empty container then puncture container and recycle if possible. If recycling is not possible, triple rinse empty container then puncture container and dispose of container in a sanitary landfill, or incinerator, or if allowed by state and local regulations, by burning. If burned, stay out of smoke.

14. TRANSPORTATION INFORMATION

Ground: Not DOT regulated in available quantities [ref: CFR 49 sec. 173.150 (f)]
Air: Aviation Regulated Liquid, N.O.S. (contains Eugenol and 2-Penethyl Propionate), Class 9, UN3334, PG III
International: Contact EcoSMART Technologies:
Telephone (888) 326-7233 (9am to 5pm EST)

15. REGULATORY INFORMATION

NFPA Ratings: Health - 1 Fire - 2 Reactivity - 0 Special - none
SARA Title III: This product does not contain any ingredients subject to Section 313 (40 CFR 372) reporting requirements.

This product has not been registered by the United States Environmental Protection Agency. EcoSMART Technologies, Inc. represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

EcoSMART technologies, Inc.

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