

MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: ecoFOG-180

Company: Pace International, LLC

Address: Office

1201 3rd Avenue, Suite 5450
Seattle, WA 98101

Manufacturing / Distribution

5661 Branch Road
Wapato, WA 98951

Emergency Phone Number: 800.424.9300 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

CAS #	Component	%	Exposure Limits
91-53-2	ethoxyquin	18	Not established
64-17-5	ethanol	< 15	1000 ppm TLV

Other Components

proprietary

3. HAZARDS IDENTIFICATION

Harmful if absorbed through skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Combustible.

4. FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical, CO₂

Special Exposure Hazards: Keep away from strong oxidizers.

Special Protective Equipment for Firefighters: Wear self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section 8 for personal protection measures.

Environmental Precautions: Do not allow product to enter sewers, lakes, streams or other bodies of water.

Methods for Cleaning Up: In case of spill or leak, absorb liquid with sawdust or other absorbent material and incinerate or dispose of it in approved disposal area.



7. HANDLING & STORAGE

- Handling:** Good standards of hygiene should be maintained at all times. Smoking, eating, and drinking is prohibited in the work area. For personal protection, see section 8.
- Storage:** Do not use or store near heat or open flames. Keep away from strong oxidizers. Avoid storing below 40°F (4°C). Keep container tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Protective Clothing:** Long sleeved shirt and long pants, shoes and socks, chemical resistant gloves such as PVC, nitrile or butyl rubber.
- Respiratory Protection:** NIOSH-approved full-face respirator with organic vapor filter should be worn by fogging applicators.
- Eye Protection:** Handlers are required to wear goggles, safety glasses or a face shield. Eye fountain and washing facilities should be present at work area.

9. PHYSICAL & CHEMICAL PROPERTIES

- Appearance:** dark brown liquid
- Odor:** faint solvent odor
- Boiling Point:** < 212°F (100°C)
- Flash Point:** 91°F (33°C) via closed cup method
- Flammable Limits:** Not available
- Explosive Properties:** Not explosive
- Oxidizing Properties:** No oxidizing properties
- Vapor Pressure:** No data available
- pH (@ 25°C):** 7.1
- Specific Gravity:** 1.02 (H₂O=1)
- Solubility in Water:** Dispersible
- Viscosity:** 46.9 mm²/s (cSt) @ 20°C

10. STABILITY & REACTIVITY

- Conditions/Materials to Avoid:** Strong oxidizers, acids and alkalis.
- Hazardous Decomposition Products:** May form oxides of nitrogen and carbon upon combustion.

11. TOXICOLOGICAL INFORMATION

- Acute Oral:** LD₅₀ oral (rat): > 2000 mg/kg
- Acute Dermal:** LD₅₀ dermal (rat): > 2000 mg/kg
- Inhalation:** LC₅₀ (rat): > 2.04 mg/L
- Eye Irritation:** Mildly irritating (EPA Category III)
- Skin Irritation:** Slightly irritating (EPA Category IV)
- Sensitization:** Considered to be a contact skin sensitizer.

12. ECOLOGICAL INFORMATION

ethoxyquin

- Acute toxicity:
- Rainbow trout, LC₅₀ (96h): 18 mg/L
- Daphnia magna, EC₅₀ (48h): 2 mg/L

13. DISPOSAL CONSIDERATIONS

- Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.



Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

Proper Shipping Name: Flammable liquids, n.o.s. (ethanol)
Hazard Class: 3
UN Number: UN 1993
Packing Group: III

15. REGULATORY INFORMATION

FIFRA: This product is registered as a pesticide with the U.S. EPA under registration number 64864-60.
SARA 313: Contains no chemicals subject to SARA Title III Section 313 in quantities sufficient to trigger reporting requirements.
TSCA: All components of this product are included or exempt from inclusion in EPA's Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

HMIS Ratings: Health – 2 Flammability – 3 Reactivity – 0

The information herein is believed to be accurate and represents the best information currently available. However, Pace International LLC makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and assumes no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

MSDS Revision Date: 12/10/09

Supersedes: 12/01/08

