



# MATERIAL SAFETY DATA SHEET

## Eco-PM Concentrate Fungicide

Date of Issue: Jan 2012 Product No. 1 Quart 040-8005, 1 Gallon 040-8020

Arborjet, Inc.

99 Blueberry Hill Rd

Woburn, MA 01801

In Case of Emergency, CHEM-TEL 1-800-255-3924

Product Information: 781-935-9070

### Section 1: Product Identification

**Product Trade Name:** Eco-PM Concentrate  
**EPA Signal Word:** NA  
**Active Ingredient (% w/w):** Thyme & Clove Oil  
**Chemical Name:** Natural Fungicide, Liquid  
**Chemical Class:** Blend of natural plant oil extracts  
**EPA Registration Number:** NA

### Section 2: Composition/Information on Ingredients

Ingredient name	% by wt.	CAS#	Exposure Limit
<b>Active Ingredients:</b>			
Thyme	20.0%	8007-46-3	None established
Clove Oil	1.0%	8000-34-8	None established
<b>Inert Ingredients:</b>			
Isopropyl alcohol	11.0%	67-63-0	See below
Soap	15.0%		None established
De-ionized Water	53.0%	7732-18-5	None established

Chemical	CAS NO.	%	TLV OR PEL
Isopropyl alcohol	67-63-0	11.0 %	TWA: 200 STEL: 400 (ppm)
from ACGIH (TLV) [United States] [1999] TWA: 400 STEL: 500 (ppm) from OSHA (PEL) [United States] TWA: 980 STEL: 1225 (mg/m3) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.			

### Section 3: Hazards Identification

Opaque pale yellow liquid with an herb scent.

Prolonged exposure to this product may cause skin irritation, eye/nasal irritation, dizziness, headache or nausea. This product is not flammable.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 2 ENVIRONMENT: 0  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

### Section 4: First Aid

**Eye Contact:** Flush with water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician if irritation persists.  
**Skin Contact:** Wash exposed area with soap and water for at least 15 minutes. Remove contaminated clothing. Get medical attention if irritation persists.  
**Ingestion:** Rinse mouth out with water. Call a doctor or get medical attention as soon as possible. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.  
**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

### Section 5: Fire Fighting Measures

**Flash Point:** 92° C (197° F)  
**Test Method:** Cleveland Open Cup  
**LEL Flammable Limits:** not tested  
**UEL Flammable Limits:** not tested  
**Autoignition Temperature:** not tested  
**Flammability Classification:** Class IIIA, combustible liquid  
**Known Hazardous Products of Combustion:** none known  
**Properties that Initiate/Contribute to Intensity of Fire:** sparks, open flame  
**Potential For Dust Explosion:** none  
**Potential For Release of Flammable Vapors:** slight to moderate  
**Unusual Fire & Explosion Hazards:** none known  
Product Name: Eco-Mite Concentrate

Manufactured by: Arborjet, Inc.

**Extinguishing Media:** dry chemical powder or water spray

**Special Firefighting Procedures:**

### Section 6: Accidental Release Measures

**Containment:**  
Prevent product spillage from entering drinking water supplies or streams.  
**Clean Up:**  
Collect liquid or absorb onto absorbent material and package for disposal.  
**Evacuation:**  
Not necessary.

### Section 7: Handling and Storage

**Storage:** Keep away from heat and open flame. Keep from freezing.  
**Work/Hygienic Practices:** Keep out of reach of children.

### Section 8: Exposure Controls/ Personal Protection

**Eyes:** Protective eyewear  
**Skin:** Disposable gloves, such as nitrile  
**Respiratory:** Use in well ventilated areas  
**Ventilation:** Use in well ventilated areas

### Section 9: Physical and Chemical Properties

**Appearance:** Milky liquid  
**Odor:** Herbal scent.  
**pH:** 9.06 at 25°C  
**Vapor Pressure:** NA  
**Vapor Density (Air=1):** NA  
**Boiling Point:** NA  
**Freezing Point:** NA  
**Water Solubility:** fully miscible in water  
**Density:** 0.99 at 21°C  
**Evaporation Rate:** NA  
**Viscosity:** NA  
**% Volatile:** NA  
**Octanol/Water Partition Coefficient:** NA  
**Saturated Vapor Concentration:** NA

### Section 10: Stability and Reactivity

**Stability:** Stable.  
**Conditions To Avoid:** heat, ignition sources, incompatible materials  
**Incompatibility:** reactive with oxidizing agents  
**Hazardous Decomposition Products:** none known  
**Hazardous Polymerization:** none known

### Section 11: Toxicology Information

**Acute Effects:** Slightly hazardous in case of ingestion, inhalation. Irritating in case of skin contact.  
**Eyes:** May cause eye irritation.  
**Skin:** May cause slight irritation.  
**Ingestion:** May cause stomach cramps, headache and/or nausea.  
**Inhalation:** May cause headache and/or nausea  
**Subchronic Effects:** not known  
**Chronic Effects:** not known

### Section 12: Ecological 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.

### Section 13: Disposal Considerations

**Applicators must dispose of any unused product as the label indicates.**  
**Disposal Methods:** Do not reuse original product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

### Section 14: Transport Information

**DOT Shipping Name:** Not Regulated

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**Technical Shipping Name:** NA  
**DOT Hazard Class:** NA  
**DOT Identification Number:** NA  
**Other information:** Insecticides or Fungicides, Liquid

#### Section 15: Regulatory Information

**NFPA Ratings:** Health: 1, Reactivity: 0, Flammability: 2, Environment: 0  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

**TSCA:** All ingredients in this product are either listed or excluded from the TSCA Inventory.

**SARA Title III:** This product does not contain any ingredients subject to Section 313 (40 CFR 372) reporting requirements.

#### Section 16: Other Information

**For any non-emergency questions about this product call: 1-781-935-9070**

**Original Date of Issue:** 01/15/2013

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