



# MATERIAL SAFETY DATA SHEET

## Eco-Mite+ Botanical Insecticide /

### Miticide Concentrate

Date of Issue: Aug 2013 Product No. 1 Quart 040-7005, 1 Gallon 040-7020

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-Mite + Concentrate  
**EPA Signal Word:** NA  
**Active Ingredient (% w/w):** Rosemary, Peppermint & Cottonseed Oils  
**Chemical Name:** Natural Miticide-Insecticide, 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>			
Rosemary	5.0%	NA	None established
Rosemary Oil	2.5%	8000-25-7	None established
Peppermint Oil	2.5%	8006-90-04	None established
Cottonseed Oil	2.5 %	8001-29-4	None established
<b>Inert Ingredients:</b>			
Isopropyl alcohol	3.8%	67-63-0	See below
Soap	15.0%		None established
De-Ionized Water	68.7%	7732-18-5	None established

Chemical	CAS NO.	%	TLV OR PEL
Isopropyl alcohol	67-63-0	3.8 %	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:** 62° C (144° 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

Product Name: Eco-Mite Concentrate V 2.0

Manufactured by: Arborjet, Inc.

**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  
**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:** Amber liquid  
**Odor:** Herbal mint scent.  
**pH:** 9.83 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 ache, 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 insecticides 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  
**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:** 04/16/2013

**The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, either expressed or implied, is made with respect to the information contained herein.**