

MATERIAL SAFETY DATA SHEET



Ferti-lome® Tree & Shrub Systemic Insect Drench

In the event of a medical or chemical emergency contact
ChemTel, Inc. North America 1-800-255-3924 or worldwide
Intl. + 01-813-248-0585

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, Texas 75418

Effective Date: April 27, 2012

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Ferti-lome® Tree & Shrub Systemic Insect Drench
EPA No.: 42750-155-7401

COMPANY IDENTIFICATION:

Voluntary Purchasing Groups, Inc.
230 FM 87
Bonham, TX. 75418

2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>COMPONENT</u>	<u>%</u>	<u>CAS NO.</u>
Imidacloprid	1.47	138261-41-3

3. HAZARDOUS IDENTIFICATIONS:

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

Health Hazards:	Mildly irritating to the eyes and skin. May be harmful if swallowed.
Physical Hazards:	Can decompose at high temperatures releasing toxic gases.
Environmental Hazards:	Toxic to fish, water organisms and bees. Keep out of waterways.

4. FIRST AID MEASURES:

If Swallowed:	Call physician or Poison Control Center immediately. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
If In Eyes:	Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.
If On Skin:	Remove contaminated clothing. Wash skin with plenty of soap and water. Get medical attention if irritation persists.
Note to Physician:	No specific antidote is available, treat symptomatically.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES:

Flash Point:	>100 C
Flammability Limits:	Unknown
Fire and Explosion Hazards:	Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.
Extinguishing Media:	Use foam, dry chemical, carbon dioxide or water spray when fighting fires involving this material.
Fire Fighting Instructions:	Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off.
Fire Fighting Equipment:	Self-contained breathing apparatus with full facepiece.
Hazardous Combustion Products:	Hydrogen Cyanide, Hydrogen Chloride, Carbon Monoxide, Nitrogen Oxides.

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6. ACCIDENTAL RELEASE MEASURES:

Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Small Spill: Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

Large Spill: Dike large spills using absorbent or impervious materials such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. After removal, clean contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.

The material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

7. HANDLING AND STORAGE:

KEEP OUT OF REACH OF CHILDREN!

Handling: Use only in a well-ventilated area. Minimize dust generation and accumulation.

Storage: Keep container closed when not in use. Keep away from food, feed and drinking water. Store in a well ventilated dry place away from heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Exposure Limits (8 Hour TWA): Refer to Section 3

Engineer Controls: Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment:

Eye Protection: Safety glasses

Clothing: Long-sleeved shirt and long pants, shoes plus socks

Gloves: Chemical-resistant gloves made of any waterproof material such as latex or nitrile or polyvinyl chloride (PVC).

Respirator: Not required when handled under normal conditions. When handling in enclosed Areas with inadequate ventilation, use appropriate dust/mist filtering respirator.

Discard clothing and other absorbent materials that have been heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description: Off-white viscous liquid

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Odor:	No appreciable odor
Bulk Density:	1.002 g/ml
pH:	6.0 – 6.5
Vapor Pressure:	1.5×10^{-9} mmHg @ 20C
Water Solubility:	Dispersible

10. STABILITY AND REACTIVITY DATA:

Chemical Stability:	Stable, however may decompose if heated.
Conditions to Avoid:	Avoid temperatures above 100°F (38°C) for prolonged period of time. Strong exothermal reaction can occur above 390°F (200°C).
Incompatibility With Other Materials:	None known.
Hazardous Decomposition Products:	Hydrogen Chloride, Oxides of Nitrogen and Carbon.
Hazardous Polymerization:	Product will not undergo polymerization.

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY:

Oral LD ₅₀ (rat):	>4,500 mg/kg
Dermal LD ₅₀ (rat):	>2,000 mg/kg
Inhalation LC ₅₀ (rat):	>5.0 mg/l
Eye Irritation (rabbit):	Mild
Skin Irritation (rabbit):	Slight
Sensitization (guinea pig):	Non-sensitizer

CARCINOGEN STATUS:

OSHA:	Not listed
NTP:	Not listed
IARC:	Not listed

Mutagenic Data:	Little or no evidence of mutagenic effects during <i>in vivo</i> or <i>in vitro</i> studies.
Additional Data:	No reproductive or teratogenic (birth defect) effects at normal exposure levels.

12. ECOLOGICAL INFORMATION:

Environmental Summary: This pesticide is toxic to aquatic invertebrates. Do not apply directly to lakes, streams, rivers or ponds. Do not dump rinse water into sewers or other bodies of water. Apply this product only as specified on this label.

Fish Toxicity: (Technical)

96-hour LC ₅₀ , Rainbow Trout:	211 mg/l
96-hour LC ₅₀ , Bluegill:	Unknown

Avian Toxicity: (Technical)

Oral LD ₅₀ , Bobwhite Quail:	152 mg/kg
Oral LD ₅₀ , Mallard Duck:	Unknown

Bee Toxicity:

Contact LD ₅₀	Highly toxic
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13. DISPOSAL CONSIDERATIONS:

WASTE: Pesticide wastes are toxic. Dispose of in accordance with applicable Federal, state and local laws and regulations.

CONTAINER: Completely empty container into processing equipment. Then dispose of empty container in sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORTATION INFORMATION:

Not regulated by DOT or IMDG.

15. REGULATORY INFORMATION:

CERCLA Reportable Quantity: N/A

Sara Title III Status:

311/312 Hazard Categories: Immediate Health Hazard

313 Toxic Chemicals: None

16. OTHER INFORMATION:

Although the information and recommendations set forth herein (Hereinafter "information") are presented in good faith and believed to be correct as of the date hereof. Voluntary Purchasing Groups, Inc. makes not representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Voluntary Purchasing Groups, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS

REVISED DATE: April, 2012