

# SAFETY DATA SHEET



the ferti-lome people

## Ferti-lome® Fruit Tree Spray

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

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

Effective Date:

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT NAME:** Ferti-Lome® Fruit Tree Spray  
**EPA Reg. No.:** 70051-75-7401

**COMPANY IDENTIFICATION:**

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

### 2. HAZARDS IDENTIFICATION:

**2.1. Classification of the substance or mixture Hazard Classification:** Not classified by OSHA

**EPA Signal Word:** Caution (see section 15)

**Hazard Statements:** None

**Pictogram:** None

**Precautionary Statements:** Harmful if inhaled. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals. Remove and rewash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**2.2 Other Hazards:**

Do not apply this product in a way that will contact adults, children, or pets either directly or through drift. Remove pets, birds, and cover fish aquariums before spraying. Do not allow adults, children, or pets to enter the treated area until sprays have dried.

Not for use in an outdoor misting system. Do not applications during rain. Do not water the treated area to the point of run off.

This product is highly toxic to bees exposed to a direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Do not use or store near heat or open flame.

### 3. COMPOSITION, INFORMATION OF INGREDIENTS:

**3.1 Substance**

Ingredient	CAS#	% by weight
Clarified Hydrophobic Extract of Neem Oil	947173-77-5	70
Pyrocide® Booster Concentrate K	8003-34-7 Pyrethrin & 51-03-6 Piperonyl Butoxide	4.70 (0.25 & 2.5)

### 4. FIRST AID MEASURES:

**4.1. Description of first aid measures**

**Generic measures:**

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

# SAFETY DATA SHEET



the ferti-lome people

## Ferti-lome® Fruit Tree Spray

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

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

Effective Date:

### Eye Contact:

Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present after 5 minutes then continue rinsing eye. Call poison control center or doctor for treatment advice.

### Skin Contact:

Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

### Inhalation:

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

### Ingestion:

Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if they are 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.

### 4.2. Most important symptoms and effects, both acute and delayed

Eye and skin irritation.

### 4.3. Indication of any immediate medical attention and special treatment ne

## 5. FIRE FIGHTING MEASURES:

### 5.1. Extinguishing media

Suitable Extinguishing Media: None specified

Unsuitable Extinguishing Media: None specified

### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: None known

### 5.3. Advice for firefighters

Protection of Firefighters: None specified

## 6. ACCIDENTAL RELEASE MEASURES:

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: None specified

For emergency responders: None specified

### 6.2. Environmental precautions

This pesticide is toxic to aquatic organisms including fish and invertebrates. To protect the environment do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

# SAFETY DATA SHEET



the ferti-lome people

## Ferti-lome® Fruit Tree Spray

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

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

Effective Date:

This product is highly toxic to bees exposed to a direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

### **6.3. Methods and material for containment and cleaning up**

- Methods for Containment:** To protect the environment do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters.
- Methods for Clean-Up:** Spilled material should be absorbed on pet litter or similar material and then disposed of according to Federal, State and local regulations.
- Other Information:** None

### **6.4. Reference to other sections**

See Section 8 for occupational exposure limits and risk management measures. Refer to Section 13 for disposal considerations.

## **7. HANDLING AND STORAGE:**

### **7.1. Precautions for safe handling:**

Harmful if inhaled. Avoid breathing vapor or spray mist. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals. Remove and rewash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Do not use or store near heat or open flame.

**7.2. Conditions for safe storage, including any incompatibilities:** None known

**7.3. Specific end use(s):** Use only as specified on label.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

### **8.1. Control parameters**

OSHA Permissible Exposure Limits (PELs): Not determined

ACGIH Threshold Limit Values: Not determined

Other Exposure Limits: None known

### **8.2. Exposure controls**

**Engineering Controls:** None specified

#### **Personal Protective Equipment**

**Eye/Face Protection:** None specified

**Skin Protection** None specified

**Hand Protection:** None specified

# SAFETY DATA SHEET



the ferti-lome people

## Ferti-lome® Fruit Tree Spray

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

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

Effective Date:

**Body Protection:** None specified

**Respiratory Protection:** None specified

**Thermal Hazards:** None known

**General Hygiene Considerations:**

Remove and rewash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**Environmental exposure controls:** This pesticide is toxic to aquatic organisms including fish and invertebrates. To protect the environment do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to a direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

### 9.1. Information on basic physical and chemical properties

# SAFETY DATA SHEET



the ferti-lome people

## Ferti-lome® Fruit Tree Spray

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

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

Effective Date:

<b>Appearance:</b>	Translucent brown liquid
<b>Odour:</b>	Citrus
<b>Odour Threshold:</b>	Not determined
<b>pH: 1% dilution</b>	6.29-6.95
<b>Melting Point / Freezing Point:</b>	3°C (37.4°F)
<b>Initial Boiling Point:</b>	Not determined
<b>Boiling Range:</b>	Not determined
<b>Flash Point:</b>	72°C (161.6°F)
<b>Evaporation Rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not applicable
<b>Lower &amp; Upper Flammability Limits:</b>	Not applicable
<b>Vapour Pressure:</b>	Not determined
<b>Volatility by weight :</b>	20%
<b>Density:</b>	7.494 lb./gal.
<b>Solubility:</b>	Not determined
<b>Partition Coefficient (n-octanol/water):</b>	Not determined
<b>Auto-ignition Temperature:</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b>Explosive Properties:</b>	None known
<b>Oxidising Properties:</b>	None known

### 9.2. Other information

Not available.

## 10. STABILITY & REACTIVITY DATA:

<b><u>10.1. Reactivity</u></b>	None known
<b><u>10.2. Chemical stability</u></b>	Stable
<b><u>10.3. Possibility of hazardous reactions</u></b>	None known
<b><u>10.4. Conditions to avoid</u></b>	Do not store near heat or open flame. Do not freeze.
<b><u>10.5. Incompatible materials</u></b>	None known
<b><u>10.6. Hazardous decomposition products</u></b>	None known

# SAFETY DATA SHEET



the ferti-lome people

## Ferti-lome® Fruit Tree Spray

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

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

Effective Date:

### 11. TOXICOLOGICAL INFORMATION:

#### 11.1. Information on toxicological effects

##### Acute Toxicity

Toxicological information on the substance or mixture:

LD <sub>50</sub> (oral)	> 5000 mg/kg, Toxicity Category IV (40 CFR 156.62)
LD <sub>50</sub> (dermal)	>2000 mg/kg, Toxicity Category III (40 CFR 156.62)
LC <sub>50</sub> (inhalation)	> 2 mg/L, Toxicity Category III (40 CFR 156.62)

##### **Skin corrosion / irritation:**

Slightly irritating, Toxicity Category IV

**Eye irritation:** Non-irritating, Toxicity Category IV

##### **Respiratory or skin sensitization:**

Mildly sensitizing (study with product containing 90% neem oil)

##### **Other information on adverse health effects:**

##### **Carcinogenicity**

**NTP Listed:** Not Listed.

**IARC Listed:** Piperonyl butoxide: Group 3;  
The agent is not classifiable as to its carcinogenicity to humans.

**OSHA:** Not Listed.

#### 11.2 Reference to other sections

See Section 4 for symptoms and acute and delayed effects.

### 12. ECOLOGICAL INFORMATION:

#### 12.1. Toxicity

This product is toxic to aquatic organisms including fish and invertebrates. This product is highly toxic to bees exposed to direct treatment.

#### 12.2. Persistence and degradability

Neem oil degrades rapidly and does not persist in the environment.

#### 12.3. Bioaccumulative potential

Neem oil is not intended for use in aquatic environments. Appropriate cautions are required for use around bodies of water.

#### 12.4. Mobility in soil

No data available.

#### 12.5. Other adverse effects

No data available.

# SAFETY DATA SHEET



the ferti-lome people

## Ferti-lome® Fruit Tree Spray

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

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

Effective Date:

### 13. DISPOSAL CONSIDERATIONS:

**13.1. Waste treatment methods:** Do not store diluted solutions for later use.

Pesticide Disposal and Container Handling: Nonrefillable container. Do not reuse or refill this container.

*If empty:* Place in trash or offer for recycling if available.

*If partly filled:* Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### 14. TRANSPORTATION INFORMATION:

**14.1. UN number**

Not regulated.

**14.2. UN proper shipping name**

Not regulated.

**14.3. Transport hazard class(es)**

Not regulated.

**14.4. Packing group**

Not regulated.

**14.5. Environmental hazards**

Not regulated.

**14.6. Special precautions for user**

Not regulated.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not regulated.

### 15. REGULATORY INFORMATION:

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EPA:

This product is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticidal chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION, KEEP OUT OF REACH OF CHILDREN Harmful if inhaled.

This product is hazardous to fish and aquatic invertebrates.

This product is highly toxic to bees exposed to direct treatment.

OSHA: N/A

TSCA Status: Exempt

CERCLA Reportable Quantity: N/A

SARA Title III:

SARA Title III:

Section 302: N/A

Section 311/312: N/A

Section 313: N/A

RCRA Status: N/A

# SAFETY DATA SHEET



the ferti-lome people

## Ferti-lome® Fruit Tree Spray

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

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

Effective Date:

### 16. OTHER INFORMATION:

#### Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither Certis USA nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

#### SDS Authoring Information:

<b>Revision date:</b>	March 23, 2015
<b>Date of Previous version:</b>	January 18, 2008
<b>Reason for Revision</b>	OSHA Hazard Communication Standard 2012
<b>SDS Prepared by:</b>	Certis U.S.A., LLC

# SAFETY DATA SHEET

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

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

Effective Date:



the ferti-lome people

**Ferti-lome® Ferti-lome®** FRUIT TREE  
SPRAY