



**VOLUNTARY PURCHASING GROUPS, INC.**

## **Safety Data Sheet Ferti-lome Neem**

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### **SECTION 1: Identification**

#### **Product identifier**

Product name	Ferti-lome Neem
Product number	16092
Brand	Ferti-lome Green

#### **Other means of identification**

EPA Reg. No. 70051-2-7401

#### **Recommended use of the chemical and restrictions on use**

Insecticide, Miticide and Fungicide.

#### **Supplier's details**

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA
Telephone	855-270-4776

#### **Emergency phone number(s)**

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

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### **SECTION 2: Hazard identification**

#### **Classification of the substance or mixture**

#### **GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

#### **GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

#### **Other hazards which do not result in classification**

Do not use or store near heat or flame.

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### SECTION 3: Composition/information on ingredients

#### Substances

#### Hazardous components

Component	Concentration
Clarified Hydrophobic Extract of Neem Oil (CAS no.: 947173-77-5)	70 % (weight)

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### SECTION 4: First-aid measures

#### Description of necessary first-aid measures

General advice	Call poison control center or doctor for treatment advice. Have the product container or label with you when you calling the poison control center or doctor or going for treatment.
If inhaled	Call poison control center or doctor for treatment advice.
In case of skin contact	Remove contaminated clothing and wash with plenty of water for 15-20 minutes.
In case of eye contact	Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses after 5 minutes if present and continue rinsing eye.
If swallowed	Call poison control center or doctor for treatment advice.

#### Most important symptoms/effects, acute and delayed

Eye and skin irritation

#### Indication of immediate medical attention and special treatment needed, if necessary

None known

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### SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Dry chemical, foam, carbon dioxide

#### Specific hazards arising from the chemical

No data available.

#### Special protective actions for fire-fighters

No data available.

#### Further information

No data available.

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### SECTION 6: Accidental release measures

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

For non-emergency personnel: Same as applicators and handlers\* see section 8

For emergency responders: Same as applicators and handlers\* see section 8

#### Environmental precautions

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This product is hazardous to fish and aquatic vertebrates. For terrestrial uses: Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark.

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

#### Methods and materials for containment and cleaning up

Do not use in a manner that would allow drift or rinse water from equipment cleaning to contaminate water sources or supplies.

#### Reference to other sections

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

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## SECTION 7: Handling and storage

#### Precautions for safe handling

The following equipment should be worn by handlers, applicators

Long sleeved shirt, long pants,

Chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or poly vinyl chloride)

Shoes plus socks

Follow manufactures 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

#### Conditions for safe storage, including any incompatibilities

Keep in original container. Store in a dry place, away from direct sunlight. feed, or foodstuffs. Keep container tightly sealed when not in use. Do not store below 40°F (4°C).

#### Specific end use(s)

Use only as specified on label.

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## SECTION 8: Exposure controls/personal protection

#### Control parameters

##### 1. Clarified Hydrophobic Extract of Neem Oil (CAS: 947173-77-5)

PEL-C: Not Determined (OSHA)

#### Appropriate engineering controls

None specified

#### Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

Not specified

##### Skin protection

Long pants, long sleeved shirt socks and shoes

##### Body protection

Coveralls

##### Respiratory protection

None specified

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### Thermal hazards

None specified

### Environmental exposure controls

For terrestrial use only: Do not apply directly to water or to areas where surface water is present, or to inter tidal areas below the mean high water mark. This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Brown Liquid
Odor	Citrus/Garlic
Odor threshold	No data available.
pH	4.5-6.5
Melting point/freezing point	37°F (3°C)
Initial boiling point and boiling range	>275°F
Flash point	140°F (60°C)
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	0.86-0.95 g/ml
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

### Other safety information

No data available.

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## SECTION 10: Stability and reactivity

### Reactivity

None known

### Chemical stability

Stable

### Possibility of hazardous reactions

None known

### Conditions to avoid

Low Temperatures

### Incompatible materials

None known

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### Hazardous decomposition products

None known

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Toxicological information on the substance or mixture:

LD50 (oral)

> 5000 mg/kg (test with similar product containing higher concentration of the same active ingredient)

LD50 (dermal)

> 2000 mg/kg (test with similar product containing higher concentration of the same active ingredient)

LC50 (inhalation)

> 6.17 ± 1.23 mg/L (test with similar product containing higher concentration of the same active ingredient)

#### Skin corrosion/irritation

Slightly irritating, Toxicity Category IV (test with similar product containing higher concentration of the same active ingredient)

#### Serious eye damage/irritation

Minimally irritating, Toxicity Category III (test with similar product containing higher concentration of the same active ingredient)

#### Respiratory or skin sensitization

Mildly sensitizing (test with similar product containing high concentration of the same AI)

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

NTP Listed: Not applicable

IARC Listed: Not applicable

OSHA: Not applicable

#### Reproductive toxicity

No data available.

#### Summary of evaluation of the CMR properties

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Additional information

See Section 4 for symptoms and acute and delayed effects.

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## SECTION 12: Ecological information

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### Toxicity

Clarified Hydrophobic Extract of Neem Oil  
LD50 Oral - Bobwhite Quail - 14-day  
Result: LD50 > 2,150 mg a.i./kg body weight

Clarified Hydrophobic Extract of Neem Oil  
NOEC - Pimephales promelas (fathead minnow) - 96-hour  
Result: NOEC 96-hour: 2,000 mg/L

Clarified Hydrophobic Extract of Neem Oil  
NOEC - Daphnia magna (water flea) - 48-hour  
Result: NOEC 48-hour: 2,000 mg/L

Clarified Hydrophobic Extract of Neem Oil  
- Apis mellifera L  
This product is highly toxic to bees exposed to direct treatment.  
Do not apply when bees are actively visiting the treatment area.

### Persistence and degradability

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

### Bioaccumulative potential

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

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

### Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### Disposal of the product

Do not contaminate water, food, or feed by storage and disposal.

### Disposal of contaminated packaging

Triple rinse container (or equivalent) promptly after emptying. Triple rinse as following: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available 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.

### Other disposal recommendations

Wastes resulting from the use of this product must be disposed of on-site or at an approved waste disposal facility.

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## SECTION 14: Transport information

### DOT (US)

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Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

**Safety, health and environmental regulations specific for the product in question**

### OSHA

N/A

### Toxic Substances Control Act (TSCA) Inventory

Exempt

### SARA 302 Components

N/A

### SARA 311/312 Hazards

N/A

### SARA 313 Components

N/A

### RCRA Status

N/A

### Chemical Safety Assessment

No data available.

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## SECTION 16: Other information

### Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither Voluntary Purchasing Groups, Inc. 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.