



VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet Ferti-lome Neem

SECTION 1: Identification

GHS Product identifier

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

Other means of identification

EPA Reg. No. 70051-2-7401

Recommended use of the chemical and restrictions on use

Residential use insecticide, fungicide, miticide

Supplier's details

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

Emergency phone number

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

SECTION 2: Hazard identification

General hazard statement

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

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

GHS label elements, including precautionary statements

Precautionary statement(s)

P102	Keep out of reach of children.
P103	Read label before use.

SECTION 3: Composition/information on ingredients

Mixtures

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Hazardous components

Component	Concentration
Clarified hydrophobic extract of neem oil (CAS no.: 947173-77-5)	70 %
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
If inhaled	Assure fresh air breathing. Allow the person to rest.
In case of skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
In case of eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most important symptoms/effects, acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

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

No information available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Specific hazards arising from the chemical

No information available.

Special protective actions for fire-fighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Evacuate unnecessary personnel.

Methods and materials for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

SECTION 7: Handling and storage

Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

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Conditions for safe storage, including any incompatibilities

Store in original container. Store away from direct sunlight, feed or foodstuffs. Keep container closed when not in use.

Keep from freezing.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

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

PEL-C: Not Determined (OSHA)

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

Eye/face protection

Chemical goggles or safety glasses

Skin protection

Long pants, long sleeved shirt socks and shoes

Body protection

Coveralls

Respiratory protection

None specified

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	Liquid
Odor	Citrus/Garlic
Odor threshold	None known
pH	4.5-6.5
Melting point/freezing point	37°F
Initial boiling point and boiling range	>275°F
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapor pressure	No information available.
Vapor density	No information available.
Relative density	0.86-0.95 g/ml
Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	No information available.
Additional properties	
Physical state	Liquid
Color	Brown

SECTION 10: Stability and reactivity

Reactivity

No information available.

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Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No information available

Conditions to avoid

Do not freeze.

Incompatible materials

None known

Hazardous decomposition products

Carbon monoxide; carbon dioxide

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

Serious eye damage/irritation

Minimally irritating

Respiratory or skin sensitization

Mildly sensitizing

Germ cell mutagenicity

Not classified

Carcinogenicity

No information available

Reproductive toxicity

No information available

Specific target organ toxicity (STOT) - single exposure

No information available

Specific target organ toxicity (STOT) - repeated exposure

No information available

Aspiration hazard

No information available

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 a use around bodies of water.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose in a safe manner in accordance with local/national regulations

Packaging disposal

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.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

SECTION 16: Other information

Further information/disclaimer

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