

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: 23-Mar-2015



the ferti-lome people

Natural Guard® Neem RTU

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Neem RTU
EPA Reg. No.: 70051-13-7401

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* (refer to section 15)

Hazard Statements: None

Pictogram: None

Precautionary Statements: Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

2.2 Other Hazards: Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinse.
This product is toxic to bees exposed to direct treatment. Do not apply this

3. COMPOSITION, INFORMATION OF INGREDIENTS

3.1 Substance

Ingredient	CAS#	% by weight
Clarified Hydrophobic Extract of Neem oil	947173-77-5	0.9%
Inerts	Proprietary	99.1%

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4. FIRST AID MEASURES

4.1. Description of first aid measures

Generic measures

Eye Contact: Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contacts if present after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 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.

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

Eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

None specified

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide

Unsuitable Extinguishing Media: None known

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

6.3. Methods and material for containment and cleaning up

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

Methods for Clean-Up: Contain spills using absorbent material prevent from contaminating from water sources.

Other Information:

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 spray mist. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s): Use 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: Not determined

8.2. Exposure controls

Engineering Controls: None

Personal Protective Equipment

Eye/Face Protection: None specified

Skin Protection None specified

Hand Protection: None specified

Body Protection: None specified

Respiratory Protection: None specified

Thermal Hazards: None known

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General Hygiene Considerations: Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Environmental exposure controls: Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinsate. This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively foraging.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Milky white liquid
Odour:	sour garlic
Odour Threshold:	Not determined
pH:	6.5-7.1
Melting Point / Freezing Point:	~0°C
Initial Boiling Point:	~100°C
Boiling Range:	Not determined
Flash Point:	Not flammable
Evaporation Rate:	Not determined
Flammability (solid, gas):	Not determined
Lower & Upper Flammability Limits:	Not determined
Vapour Pressure:	Not determined
Volatility by weight :	Not determined
Density:	0.943-1.04 g/ml
Solubility:	99%
Partition Coefficient (n-octanol/water):	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	1.001 cP
Explosive Properties:	Not explosive
Oxidising Properties:	Not oxidising

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9.2. Other information

Not available.

10. STABILITY & REACTIVITY DATA

<u>10.1. Reactivity</u>	None known
<u>10.2. Chemical stability</u>	Stable if stored according to label
<u>10.3. Possibility of hazardous reactions</u>	None
<u>10.4. Conditions to avoid</u>	Do not freeze
<u>10.5. Incompatible materials</u>	None known
<u>10.6. Hazardous decomposition products</u>	None known

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Toxicological information on the substance or mixture:

LD ₅₀ (oral)	> 5000 mg/kg (study with product containing 90% AI)
LD ₅₀ (dermal)	> 2000 mg/kg (study conducted with AI)
LC ₅₀ (inhalation)	> 6.17 ± 1.23 mg/L (study with product containing 90% AI)

Skin corrosion / irritation:

Slightly irritating, Toxicity Category IV (study with product containing 90% AI)

Eye irritation: Minimally irritating, Toxicity Category III (study with product containing 90% AI)

Respiratory or skin sensitization:

Mildly sensitizing (study with product containing 90% AI)

Other information on adverse health effects:

Carcinogenicity

NTP Listed: Not applicable

IARC Listed: Not applicable

OSHA: Not applicable

11.2 Reference to other sections

See Section 4 for symptoms and acute and delayed effects.

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12. ECOLOGICAL INFORMATION

12.1. Toxicity

Test species	Test method	Test substance	LC ₅₀
Bobwhite Quail	14-day acute oral	Active Ingredient	LD ₅₀ > 2,150 mg a.i./kg body weight
<i>Pimephales promelas</i> (Fathead Minnow)	96-hour	Active Ingredient	NOEC 96-hour: 2,000 mg/L
<i>Daphnia magna</i>	48-hour	Active Ingredient	NOEC 48-hour: 2,000 mg/L
<i>Apis mellifera</i> L	This product is highly toxic to bees exposed to direct treatment. Do not apply when bees are actively visiting the treatment area.		

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.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

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

Pesticide Storage: Keep in original container. Store away from direct sunlight, feed, or foodstuffs. Keep container tightly sealed when not in use.

Pesticide and Container Disposal:

If empty: Do not reuse this container. 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 MARPOL73/78 and the IBC Code

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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.

Harmful if inhaled. Causes moderate eye irritation. Harmful if absorbed through the skin.

OSHA:	N/A
TSCA Status:	Exempt
CERCLA Reportable Quantity:	N/A
SARA Title III:	
Section 302:	N/A
Section 311/312:	N/A
Section 313:	N/A
RCRA Status:	N/A

16. OTHER INFORMATION

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, Voluntary Purchasing Groups Inc. does not 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:

Revision date:	March 23, 2015
Date of Previous version:	June 15, 2006