

MATERIAL SAFETY DATA SHEET



For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night: 1-800-424-9300
For Medical Emergencies Only, Call: 1-877-325-1840

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

Natural Guard® Neem

Effective Date: March 5, 2010

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Natural Guard® Neem
EPA No.: 70051-2-7401

COMPANY IDENTIFICATION:

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

2. INGREDIENTS:

COMPONENT	CAS No.	Wt. %	OSHA PEL	TWA TLV	STEL TLV
Clarified hydrophobic extract of Neem oil (Neem oil TGA1)	947173-77-5	70%	NA	NA	NA
Inert Ingredient	5989-27-5	30%	NA	NA	NA

3. HAZARDOUS IDENTIFICATION:

EMERGENCY OVERVIEW

This product is a brown liquid intended for use as a pesticide to control insects on agricultural crops. This product should pose no health concerns through normal use in accordance with label directions. Do not store near heat or open flame.

Potential Health Effects:

Route(s) of Entry: Eyes, Skin, Oral, Inhalation

Human Effects and Symptoms of Overexposure: None noted

Acute Eye Contact: May cause mild, reversible eye irritation.

Chronic Eye Contact: Chronic exposure not likely from normal use.

Acute Skin Contact: Repeated exposure may cause mild sensitization.

Chronic Skin Contact: Repeated exposure may cause slight sensitization.

Acute Ingestion: LD₅₀ > 5 g/kg

Chronic Ingestion: Chronic exposure not likely from normal use.

Acute Inhalation: LC₅₀ > 6.2 mg/L

Chronic Inhalation: Chronic exposure not likely from normal use.

Carcinogenicity:

NTP: NA IARC: NA OSHA: NA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

None noted

4. FIRST AID MEASURES:

EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

SKIN: Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.

INHALATION: Remove to fresh air. Seek medical attention if irritation persists.

INGESTION: Swallowing less than one ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and seek medical attention.

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5. FIRE FIGHTING MEASURES:

NFPA Hazard Classification:

Health Hazard	1
Fire Hazard	2
Reactivity	0

Extinguishing Media: Dry chemical, carbon dioxide, alcohol or polymer foam

Unusual Fire and Explosion Hazards: None

Special Fire Fighting Procedures: None

6. ACCIDENTAL RELEASE MEASURES:

Spill or Leak Procedures:

Wear SCBA, rubber boots, and heavy rubber gloves. Shut off sources of ignition. Dike around spill, absorb on sand or similar, and place in closed containers for disposal. Ventilate area and wash spill site after material pick-up. Avoid run-off into storm sewers and ditches, which lead to waterways.

7. HANDLING AND STORAGE:

Storage Temperature (Min./Max.) 55°F / None°F 13°C / None°C

Shelf Life: Stable for upwards of 2 years at ambient conditions

Special Sensitivity: Keep from freezing.

Handling and Storage Precautions: Do not store near heat or open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Eye Protection Requirements: The use of safety goggles is recommended.

Skin Protection Requirements: The use of chemical resistant gloves is required.

Respiratory/Ventilation Requirements: Use with adequate ventilation.

Exposure Limits: None

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM	Liquid
COLOR	Brown
ODOR	Garlic
BOILING POINT RANGE	310°F / 154°C
MELT POINT/FREEZE POINT	55°F / 13°C
FLASH POINT	347°F / 175°C
AUTO IGNITION	N/A
UPPER EXPLOSIVE LIMITS (UEL)	Not determined
LOWER EXPLOSIVE LIMITS (LEL)	Not determined
SOLUBILITY IN WATER	Dispersible
SPECIFIC GRAVITY	0.914 g/ml
BULK DENSITY	N/A
% VOLATILE BY WEIGHT	25%
VAPOR PRESSURE AT 20°C	2mm Hg
VAPOR DENSITY	0.012

10. STABILITY AND REACTIVITY:

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STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
INCOMPATIBILITIES	None noted
DECOMPOSITION PRODUCTS	None known
CONDITIONS TO AVOID	None

11. TOXICOLOGICAL INFORMATION:

Avoid breathing spray mist. In case of eye contact, flush eyes with plenty of water. If on skin, wash with soap and water. If irritation persists, seek medical attention.

12. ECOLOGICAL INFORMATION:

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. Do not contaminate water by cleaning or equipment or disposal of equipment wash waters. This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: Rinse water and unused diluted product may be disposed of on-site or in an approved waste disposal facility.

14. TRANSPORTATION INFORMATION:

D.O.T. Proper Shipping Name: N/A
Technical Shipping Name: Clarified hydrophobic extract of Neem Oil
D.O.T. Hazard Class: N/A
U.N./N.A. Number: N/A
Product RQ (lbs): N/A
D.O.T. Label: N/A
D.O.T. Placard: N/A

15. REGULATORY INFORMATION:

OSHA Status: N/A
TSCA Status: N/A
CERCLA Reportable Quantity: N/A
SARA Title III:
Section 302 Extremely Hazardous Substances: N/A
Section 311/312: Hazard Categories: N/A
Section 313: Toxic Chemicals: N/A

RCRA Status: N/A

State Regulatory Information:

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For detail on your regulatory requirements you should contact the appropriate agency in your state.

To the best of our knowledge, the information contained herein is accurate. However, neither Voluntary Purchase 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 that exist.

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