



SAFETY DATA SHEET

Issue Date: April 21, 2015

Version: GHS

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name:	MONTEREY NEEM OIL RTU
EPA Registration Number:	70051-13-54705
Product Type:	Ready To Use Pesticide
Active Ingredient:	Clarified Hydrophobic Extract of Neem Oil
CAS No.:	947173-77-5

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses:	Insecticide, Miticide and Fungicide
Uses advised against:	All uses not listed on the label.

1.3 Details of the Supplier of the Safety Data Sheet

Distributed by:
Lawn and Garden Products, Inc.
PO Box 35000
Fresno, CA 93745
Phone – (559) 499-2100
info@montereylawngarden.com

1.4 Emergency Phone Number (24 Hour): CHEMTREC®: (800) 424-9300

2. Hazards Identification

2.1 Classification of the substance or mixture

Hazard Classification:	Not classified as hazardous 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. 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 rinsate.

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

3. Composition/Information on Ingredients

3.1 Substance

Ingredient Name	CAS No	Weight-%
Clarified Hydrophobic Extract of Neem oil	947173-77-5	0.9
Inerts	Proprietary	99.1

4. First Aid Measures

4.1 Description of first aid measures:

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

Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a 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 a 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. Firefighting 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: Not 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:

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 to ensure that wind or rain does not blow or wash pesticide off the treatment area.

6.3 Methods and material for containment and cleaning up

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 cleaning up: Contain spills using absorbent material to prevent from contaminating water sources or supplies.

Other information: None specified

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 reaction in some individuals.

7.2 Conditions for safe storage, including any incompatibilities

Keep in original container. Store in a dry place, away from directly sunlight, feed, or foodstuffs. Keep containing tightly sealed when not in use. Keep from freezing.

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: 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

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 reaction 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 visiting the treatment area.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Milky white liquid
Odor:	Sour garlic
Odor threshold:	Not determined
pH: 1% dilution	6.5-7.1
Melting point/freezing point:	32°F (0°C)
Initial boiling point:	~ 212°F (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
Vapor pressure:	Not determined
Volatility by weight:	Not determined
Density:	0.943-1.04 g/ml
Solubility:	99%
Partition coefficient; n-Octanol/Water:	Not determined
Autoignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	1.001 cP
Explosive properties:	Not explosive
Oxidizing properties:	Not oxidizing

9.2 Other Information: Not available

10. Stability and reactivity

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

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Toxicological information on the substance or mixture

LD₅₀ (oral):	>5000 mg/kg (study with product containing 90% active ingredient)
LD₅₀ (dermal):	>2000 mg/kg (study with product containing 90% active ingredient)
LC₅₀ (inhalation):	>6.17 ± 1.23 mg/L (study with product containing 90% active ingredient)
Skin corrosion/irritation:	Slightly irritating. Toxicity Category IV (study with product containing 90% active ingredient)
Eye irritation:	Minimally irritating. Toxicity Category III (study with product containing 90% active ingredient)
Respiratory or skin sensitization:	Mildly sensitizing (study with product containing 90% active ingredient)

Other information on adverse health effects:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

11.2 Reference to other sections

See Section 4 for symptoms and acute and delayed effects.

12. Ecological Information

12.1 Toxicity

Test species	Test method	Test substance	LC ₅₀
Bobwhite Quail	14-day acute oral	Active Ingredient	LD50 > 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 containing 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 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.

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

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

16. Other Information

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, Lawn and Garden Products 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.

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Revision Note:
New SDS – GHS Classification