



# 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:**

<b>Appearance:</b>	Milky white liquid
<b>Odor:</b>	Sour garlic
<b>Odor threshold:</b>	Not determined
<b>pH: 1% dilution</b>	6.5-7.1
<b>Melting point/freezing point:</b>	32°F (0°C)
<b>Initial boiling point:</b>	~ 212°F (100°C)
<b>Boiling range:</b>	Not determined
<b>Flash point:</b>	Not flammable
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Lower &amp; Upper flammability limits:</b>	Not determined
<b>Vapor pressure:</b>	Not determined
<b>Volatility by weight:</b>	Not determined
<b>Density:</b>	0.943-1.04 g/ml
<b>Solubility:</b>	99%
<b>Partition coefficient; n-Octanol/ Water:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	1.001 cP
<b>Explosive properties:</b>	Not explosive
<b>Oxidizing properties:</b>	Not oxidizing

**9.2 Other Information:** Not available

## 10. Stability and reactivity

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

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity

Toxicological information on the substance or mixture

<b>LD<sub>50</sub> (oral):</b>	>5000 mg/kg (study with product containing 90% active ingredient)
<b>LD<sub>50</sub> (dermal):</b>	>2000 mg/kg (study with product containing 90% active ingredient)
<b>LC<sub>50</sub> (inhalation):</b>	>6.17 ± 1.23 mg/L (study with product containing 90% active ingredient)
<b>Skin corrosion/irritation:</b>	Slightly irritating. Toxicity Category IV (study with product containing 90% active ingredient)
<b>Eye irritation:</b>	Minimally irritating. Toxicity Category III (study with product containing 90% active ingredient)
<b>Respiratory or skin sensitization:</b>	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 <sub>50</sub>
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.

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

<b>16. Other Information</b>
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**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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April 21, 2015 (Certis- March 23, 2015)

**Revision Note:**  
New SDS – GHS Classification