

# MATERIAL SAFETY DATA SHEET

ALL NATURAL DISEASE CONTROL RTU

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Issue Date: 12/07

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

ALL NATURAL DISEASE CONTROL RTU

Common Name: Natural fungicide.

Chemical Description: Natural Herbal Oils Mixture.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

### Manufactured For

Lawn & Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

### Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 994-9144

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

EPA National Response Center: (800) 424-8802

## SECTION 2. INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Rosemary	8000-25-7	0.05	*N.E.	*N.P.
Cloves and Clove Oil	8015-97-2	0.05	N.E.	N.P.
Peppermint	8006-90-4	0.04	N.E.	N.P.
Malic Acid	6915-15-7	0.02	N.E.	N.P.
Water and Other Ingredients		Balance		

\*N.E. - Not Established

\*N.P. - Not Pertinent.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Tan colored viscous liquid with an herbal odor. May cause irritation of eyes, nose, throat and/or skin. This product may contain some components that may cause allergic reactions by skin contact with some individuals. Not D.O.T. regulated.

HEALTH: 1

REACTIVITY: 0

FLAMMABILITY: 0

ENVIRONMENT: 0

(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

## SECTION 4. FIRST AID

Eyes: Rinse eyes thoroughly. If irritation occurs, open person's eyes while under gently running water. Use sufficient force to open eyelids and then "roll" while flushing eyes. Minimum flushing is for 15 minutes if the exposure has resulted in an adverse effect. Seek medical attention if irritation persists.

Skin: If product contaminates the skin and adverse effect occurs, immediately decontaminate the affected area with running water. The minimum recommended flushing time is at least 15 minutes. If necessary, remove exposed or contaminated clothing, taking care not to contaminate eyes.

**SECTION 4. FIRST AID (Continued)**

- Ingestion: Call a poison control center or physician for most current information. Do not induce vomiting unless directed by medical personnel. Have person rinse mouth with water, if conscious. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow. If vomiting occurs naturally, position head lower than chest area in order to prevent aspiration into the lungs.
- Inhalation: Remove from exposure area. If irritation occurs, or in the event of massive inhalation, seek medical attention.

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

- Flash Point: Not applicable.
- Test Method: Not applicable.
- LEL Flammable Limits: Not applicable.
- UEL Flammable Limits: Not applicable.
- Autoignition Temperature: Not applicable.
- Flammability Classification: Nonflammable.
- Known Hazardous Products of Combustion: None.
- Properties that Initiate/Contribute to Intensity of Fire: None.
- Potential For Dust Explosion: None.
- Reactions that Release Flammable Gases or Vapors: Not known.
- Potential For Release of Flammable Vapors: None.
- Unusual Fire & Explosion Hazards: Extremely high temperatures will cause product to decompose to product irritating vapors and toxic gases (e.g., carbon oxides).
- Extinguishing Media: Water, foam, CO<sub>2</sub> or dry chemicals.
- Special Firefighting Procedures: Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

**SECTION 6. SPILLS AND LEAKS**

- Containment: Prevent product spillage from entering drinking water supplies or streams.
- Clean Up: Collect liquid or absorb onto absorbent material and package for disposal.
- Evacuation: Not necessary.

**SECTION 7. STORAGE AND HANDLING**

- Storage: Store in original container in a cool, well-ventilated, dry place at temperatures between 41°F and 85°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
- Transfer Equipment: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
- Work/Hygienic Practices: Keep out of reach of children. Prolonged skin contact may cause allergic reaction in some individuals. Wear long-sleeved shirt, long pants, socks, and shoes when using this product. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling.

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT**

Eyes:	Protective eyewear.
Skin:	Long-sleeved shirt, long pants, socks and shoes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

Appearance:	Light tan, viscous liquid.
Odor:	Herbal odor.
pH:	7.0
Vapor Pressure:	Not established.
Vapor Density (Air = 1):	Not established.
Boiling Point:	Not established.
Freezing Point:	Not established.
Water Solubility:	Completely soluble.
Density:	Approx. 8.34 lb./gal.
Evaporation Rate (Ethyl Ether = 1):	Not established.
Viscosity:	Viscous.
% Volatile:	Not known.
Octanol/Water Partition Coefficient:	Not known.
Saturated Vapor Concentration:	Not known.

**SECTION 10. STABILITY AND REACTIVITY**

Stability:	Stable.
Conditions To Avoid:	Exposure to extreme temperatures and incompatible materials.
Incompatibility:	Strong oxidizers.
Hazardous Decomposition Products:	When exposed to extremely high temperatures, product will decompose to produce irritating vapors and toxic gases (e.g., carbon oxides.)
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**Acute Effects:

Eyes:	May be irritating and cause tearing, redness, and burning.
Skin:	Prolonged skin contact may cause irritation and reddening of exposed tissue. The citric acid, clove oil and sesame oil components of this product are potential skin allergens. Skin contact can lead to the development of allergy-like symptoms (e.g., dermatitis) in susceptible individuals.
Ingestion:	May cause abdominal pain, nausea, vomiting and diarrhea.
Inhalation:	Mist may be irritating to the nose, throat and nasal mucous membranes.
<u>Subchronic Effects:</u>	Transient exposure is not expected to cause significant adverse effects in most persons.
<u>Chronic Effects:</u>	Prolonged exposure to this product via skin contact may lead to dermatitis and other allergy-like skin reactions in susceptible individuals.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition: Not known.  
Toxicity to Fish and Invertebrates: LC50 (fathead minnow) 96 hours = > 750 mg/L.  
Toxicity to Plants: None.  
Toxicity in Birds: Not known.

**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

**SECTION 14. TRANSPORTATION**

D.O.T.: Not D.O.T. Regulated.  
Other Shipping Description: Insecticides or Fungicides, N.O.I. Other than Poison  
NMFC Item 102120 LTL Class 60

**SECTION 15. REGULATORY INFORMATION**

CERCLA: None.  
SARA TITLE III, Section 313 Toxic Chemicals: None.  
Proposition 65: None.

**SECTION 16. OTHER**

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.