

# Safety Data Sheet

## SYSTEMICA INSECT KILLER

### SECTION 1: PRODUCT AND COMPANY INFORMATION

**Manufacturer** Sierra Natural Science, Inc., 1031 Industrial St. Unit C, Salinas, CA 93901 - (831) 757-1702 - [www.sierranaturalscience.com](http://www.sierranaturalscience.com)  
**Product Family** Natural Pesticide  
**Trade Name(s)** SYSTEMICA INSECT KILLER  
**Recommended Uses** Systemic pesticide for control of insects in and around plants

**24-Hour Emergency Phone Number, CHEMTREC - Tel: (800) 424-9300**

### SECTION 2: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW		HMIS		
<b>GHS Classification</b>		<b>HEALTH</b>	1	
<b>Physical Hazards</b>	Not Classified	<b>FLAMMABILITY</b>	0	
		<b>PHYSICAL HAZARD</b>	0	
<b>Health Hazards</b>	See Below	<b>PERSONAL PROTECTION</b>	See Section 8	
<b>Signal Word</b>	<b>Warning</b>			

**Signal word (GHS US) :** Warning

**Warning Hazard statements (GHS US) :**

H319 - Causes serious eye irritation Precautionary statements

(GHS US) : P264 - Wash exposed skin thoroughly after handling.

P280 - Wear protective gloves, eye protection.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313 - If eye irritation persists: Get medical advice/attention

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Rosemary Extract	8000-25-7	40 – 65%
Clove Oil	8000-34-8	1 - 3%

### SECTION 4: FIRST AID MEASURES

**Skin Contact** Remove contaminated clothing including shoes. Wash area of contact with soap and water. Wash contaminated clothing and shoes before reuse. Get medical attention if irritation occurs and persists.

**Eye Contact** Remove contact lenses if present. Immediately flush eyes with water until all traces of material are gone. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

**Inhalation** Remove affected person from source of exposure. Get medical attention if ill effects or discomfort persists.

**Ingestion** Do not induce vomiting because of danger of aspiration into lungs. If spontaneous vomiting occurs, monitor for breathing difficulty. Get medical attention if discomfort or ill effects occur.

### SECTION 5: FIREFIGHTING MEASURES

#### Basic Firefighting Procedures

Product will not burn. Use fire-fighting procedures appropriate for surrounding fire. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment. Flush spills away from sources of ignition

#### Unusual Fire and Explosion Hazards

Irritating or toxic substances may be emitted.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

Refer to Section 8: Exposure Control and Personal Protection

**Emergency Action**

Isolate release area and keep unnecessary people away. Exercise caution regarding personnel safety and exposure.

**Spill/Leak Procedure**

Floor and surfaces may be slippery. Dike with sand or other noncombustible material. Flush area with water; use absorbent material and dispose of properly.

### SECTION 7: HANDLING AND STORAGE

Refer to Section 8: Exposure Control and Personal Protection

**Handling**

Wear proper protective equipment to avoid prolonged contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. Use good hygiene practices when handling product, including changing and laundering work clothes after use. Get medical attention if you feel unwell. The shipping and storage container is not designed to be pressurized. Do not use pressure to empty the container as it may rupture. Containers should be completely drained, properly closed, and disposed of properly. Empty containers may contain residue or vapors. Do not cut, grind, drill, weld or reuse containers.

**Storage**

Store product in closed containers in a well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers.

### SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

**Component**

Not Applicable

**ACGIH**

**OSHA**

**Engineering Controls**

Use exhaust ventilation to control vapor and mist.

**Eye and Face Protection**

Always wear safety glasses; use face shield if splashing is possible.

**Skin Protection**

Oil and chemical resistant gloves should be used to avoid prolonged or repeated contact.

**Respiratory Protection**

A NIOSH or MSHA approved respirator should be used in areas with high vapor concentrations or misting.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State</b>	Brownish liquid	<b>Flash Point</b>	Not Applicable
<b>Specific Gravity (Water=1)</b>	1	<b>Upper/Lower Flammability Limits</b>	Not Applicable
<b>pH</b>	Not Determined	<b>Auto-ignition Temperature</b>	Not Applicable
<b>Solubility in Water</b>	Soluble	<b>Decomposition Temperature</b>	Not Determined
<b>Odor</b>	Characteristic Rosemary	<b>Vapor Pressure (kPa at 20°C /</b>	Not Determined
<b>Odor Threshold</b>	Not Determined	<b>Vapor Density (Air=1)</b>	Not Determined
<b>Melting/Freezing Point (°F/°C)</b>	Not Determined	<b>Partition Coefficient (n-</b>	Not Determined

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<b>Boiling Range (°F/°C)</b>	Not Determined	<b>Viscosity (40°C mm<sup>2</sup>/s) or (cSt at</b>	Not Determined
<b>Initial Boiling Point (°F/°C)</b>	Not Determined	<b>Critical Temperature</b>	Not Determined
<b>Note:</b> Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Those should be requested separately.			

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### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Does not react under normal conditions of use.
<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Stability/Incompatibility</b>	Avoid contact with strong oxidizers.
<b>Conditions to Avoid</b>	Open flame or sources of ignition.
<b>Hazardous Reactions/Decomposition Products</b>	Does not decompose under normal conditions.

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure</b>	Inhalation, skin, eyes
<b>Acute Effects</b>	LD <sub>50</sub> and LC <sub>50</sub> of the product are not determined but are expected to be high based on toxicity of components. Excessive contact, inhalation or ingestion may cause irritation or discomfort. Refer to Sections 2 and 4 for recommended actions.
<b>Medical conditions aggravated by long term exposure</b>	Eye, skin and respiratory disorders
<b>Chronic Effects</b>	Any acute symptoms may be aggravated. Refer to Sections 2 and 4 for recommended actions.
<b>Symptoms</b>	May include redness, cracking of the skin, gastrointestinal and respiratory discomfort. Refer to Sections 2 and 4 for recommended actions.
<b>Carcinogenicity</b>	No components of this product are found to be carcinogens by NTP, IARC or OSHA.

### SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not Determined.
<b>Persistence and Biodegradability</b>	Not Determined
<b>Bioaccumulative Potential</b>	Not Determined
<b>Mobility in Soil</b>	Not Determined

### SECTION 13: DISPOSAL CONSIDERATION

Dispose of this product in compliance with all applicable federal, state and local regulations.

### SECTION 14: TRANSPORT INFORMATION

<b>DOT</b>	Not Regulated
<b>UN Proper Shipping Name/Number</b>	Not Regulated

### SECTION 15: REGULATORY INFORMATION

<b>Chemical Inventory Lists</b>	All ingredients are listed on TSCA and DSL
<b>SARA (311/312) Reportable Hazard Categories</b>	None

### SECTION 16: OTHER INFORMATION

**Notice** The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

**Prepared By** Sierra Natural Science, Inc.