

# MATERIAL SAFETY DATA SHEET

MONTEREY SNAIL-IT

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Issue Date: 07/02

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

MONTEREY SNAIL-IT

EPA Reg. No. 71096-4

Common Name: Liquid metaldehyde molluscicide.

Chemical Description: Metaldehyde.

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

### Manufactured By

ORCAL

29454 Meadowview Road

Junction City, OR 97448

### Distributed by:

Monterey Chemical Company

P. O. Box 35000

Fresno, CA 93745-5000

### Emergency Phone Numbers

Emergency Telephone: (541) 689-4413

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

EPA National Response Center: (800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ(lbs)
Metaldehyde	9002-91-9	25%	N.A.*	N.A.*

\* N.A. - Not applicable.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Creamy white liquid with mild aldehyde odor. Will cause nausea and may be fatal if swallowed. Incompatible with oxidizing agents. Not D.O.T. regulated.

HEALTH: 2    REACTIVITY: 0    FLAMMABILITY: 0    ENVIRONMENT: 1  
(0 = Insignificant    1 = Slight    2 = Moderate    3 = High    4 = Extreme)

## SECTION 4. FIRST AID

**Ingestion:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**Skin:** Remove contaminated clothes and shoes and immediately wash skin with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

**Inhalation:** If adverse symptoms are experienced, move to fresh air. If breathing becomes difficult, see a physician.

SECTION 5.	FIRE AND EXPLOSION HAZARDS
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Flash Point:	149°C.
Test Method:	Not known.
LEL Flammable Limits:	Not known.
UEL Flammable Limits:	Not known.
Autoignition Temperature:	Not known.
Flammability Classification:	Nonflammable.
Known Hazardous Products of Combustion:	Carbon dioxide, carbon monoxide, paraldehyde, acetaldehyde.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
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:	Not known.
Extinguishing Media:	CO <sub>2</sub> , dry chemical, water.
Special Firefighting Procedures:	Cool fire exposed containers with water spray. Stay upwind of smoke. Wear positive pressure, self-contained breathing apparatus and goggles. Contain any liquid runoff.

SECTION 6.	SPILLS AND LEAKS
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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 but restrict entry.

SECTION 7.	STORAGE AND HANDLING
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Storage:	Do not contaminate water, food or feed by storage or disposal. Store in original container in a secured area out of reach of children. Store in a cool, well-ventilated, dry place at temperatures above 40°F. Keep container tightly sealed when not in use. Do not stack cardboard containers more than two pallets high. Do not store near food or feed.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	May be fatal if swallowed. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after use. Remove contaminated clothing and wash before reuse.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
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Eyes:	Protective eyewear.
Skin:	Coveralls over long-sleeved shirt and long pants; chemical-resistant gloves made of a waterproof material; chemical-resistant footwear plus socks; chemical-resistant apron when cleaning equipment, mixing or loading.
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:	Creamy white liquid.
Odor:	Mild aldehyde.
pH:	Not available.
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	Not available.
Boiling Point:	212°F.
Melting Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Emulsifies.
Density:	8.42 lbs./gal.
Evaporation Rate (butyl acetate = 1):	Not available.
Viscosity:	Not available.
% Volatile:	70%.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

**SECTION 10. STABILITY AND REACTIVITY**

Stability:	Stable.
Conditions To Avoid:	Heat (decomposition products of metaldehyde are paraldehyde and acetaldehyde, of which the toxicity is known. Acetaldehyde may be oxidized to acetic acid, which may catalyze the decomposition of metaldehyde.
Incompatibility:	Oxidizing agents.
Hazardous Decomposition Products:	May produce toxic vapors/fumes of carbon dioxide, carbon monoxide, paraldehyde, acetaldehyde.
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**

<u>Acute Effects:</u>	
Eyes:	Irritating.
Skin:	May be irritating.
Ingestion:	May cause excessive salivation, vomiting, nausea, acetonuria (odor of acetone on breath), convulsions, increased body temperature, depression of medullary respiratory and vasomotor control centers, coma. May be fatal. Overexposure may aggravate existing liver, kidney and brain conditions.
Inhalation:	Not known.
<u>Subchronic Effects:</u>	Not known.
<u>Chronic Effects:</u>	Not known.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Pets and Wildlife:	May be fatal to dogs, other pets, and wild animals if they drink product.

**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. Proper Shipping Description:	Not D.O.T. Regulated.
Other Shipping Information:	Insecticides or Fungicides, Agricultural, Liquid. 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.