

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ContraPest®

Product use description: For the reduction of reproductive capacity of Norway and roof rats

Restricted use: For retail sale and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification

EPA Registration No. 91601-1

Supplier and manufacturer: SenesTech, Inc.
3140 N Caden Court
Flagstaff, AZ 86004

Telephone number: +1 928-779-4143

Fax: +1 928-962-0288

Emergency phone number: +1 928-699-8318 (Hours of Operation: Monday – Friday, 8:00 a.m. – 6:00 p.m., MST)

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For non-emergency information, on product usage call 1-928-779-4143, Monday through Friday, 9 a.m. to 5 p.m. For medical emergencies call your poison control center at 1-800-222-1222

2. HAZARDS IDENTIFICATION

Classification: GHS classification in accordance with the OSHA Hazard Communication Standard (29 C.F.R. § 1910.1200): Skin corrosion/irritation (Category 3)

Signal word: None

Pictogram: Not applicable

Hazard statement(s): H316 -Causes mild skin irritation

Precautionary statement(s): P332+P313 - If skin irritation occurs: Get medical advice/attention.

Hazards Not Otherwise Classified (HNOC): None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredients:

Component	CAS-No.	Concentration
Vinylcyclohexene diepoxide	106-87-6	0.09604%
Triptolide	38748-32-2	0.00118%

4. FIRST AID MEASURES

If on skin or clothing:	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.
If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and continue rinsing. Call a poison control center or doctor for treatment advice.
If swallowed:	Call poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.
Most important symptoms/effects, acute and delayed:	Causes mild skin irritation.
Indication of immediate medical attention and special treatment needed if necessary:	This product has been formulated for fertility control in rats. It may possibly induce transient infertility in small male and female mammals capable of reproduction.

5. FIRE-FIGHTING MEASURES

Conditions of flammability:	Not flammable or combustible
Extinguishing media:	Use water spray, dry chemical or carbon dioxide.
Advice for fire fighters:	Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection see Section 8.
Environmental precautions:	Stop leak if you can do it without risk. Prevent entry into any waterways, drains or sewers.
Method for cleaning-up:	Use absorbent paper to pick up all liquid spill material. Seal the absorbent paper, along with anything that may be contaminated like clothing, in a plastic bag for eventual disposal. Wash any surfaces you may have contaminated with a soap and water solution. Dispose of contaminated material as waste according to Section 13.

7. HANDLING AND STORAGE

Safe handling precautions:	Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
Safe storage conditions:	Store only in original, tightly secured, bait tank in a room temperature environment, inaccessible to children, pets, livestock and other non-target animals. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Vinylcyclohexene diepoxide	106-87-6	TWA	0.1 ppm 0.57 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Skin contact does contribute to exposure. Confirmed animal carcinogen with unknown relevance to humans			

Personal protective equipment

- Hand protection: Handle with protective nitrile gloves \geq 14 mils. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use according to Section 13. Wash thoroughly with soap and water after handling.
- Body protection: Wear closed toed shoes. Long-sleeved shirt and long pants are recommended when handling this product.
- Hygiene Measures: Avoid contact with skin, eyes and clothing. Wash hands immediately after handling the product. Remove and wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Opaque white
Odor:	Sweet, milky aroma
Odor threshold:	No data available
pH:	7.2
Melting point/freezing point:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	17mmHg at 20°C
Vapor density:	No data available
Relative density:	0.971 kg/L
Water solubility:	Soluble
Partition coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	0.9440 cP
Explosive properties:	No data available
Oxidizing properties:	No data available

10. STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions
Hazardous reactions:	No data available
Conditions to avoid:	Freezing temperatures and warm, moist areas
Incompatible materials:	Strong acids and bases

11. TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: skin and eyes

Acute toxicity values:

Acute oral:	LD ₅₀ > 5000 mg/kg
Acute dermal:	LD ₅₀ > 5000 mg/kg
Acute inhalation:	No data available
Skin corrosion/ irritation:	Skin-Rabbit Result: slight skin irritation

Serious eye damage/
eye irritation:

Eye-rabbit
Result: Non-irritant
(OECD Test Guideline 405)

Dermal sensitization:

Skin-guinea pig
According to GHS Classification, this product is not a dermal sensitizer

Carcinogenicity:

This product does not contain a component present at $\geq 0.1\%$ that has been reported to be carcinogenic based on its IARC, ACGIH, NTP or EPA classification.

Listed values for ingredients:

IARC: 2B – Group 2B:	Possibly carcinogenic to humans (Vinylcyclohexene diepoxide)
NTP:	Reasonably anticipated to be a human carcinogen (Vinylcyclohexene diepoxide)
OSHA:	No component of this product is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity:	No data available
Germ cell mutagenicity:	No data available
Specific target organ toxicity – single exposure:	No data available
Specific target organ toxicity – repeated exposure:	No data available
Aspiration hazard:	No data available

Signs and symptoms
of exposure:

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Additional information:

No data available

12. ECOLOGICAL INFORMATION

Toxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available

Mobility in soil: No data available
Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Product: Do not contaminate water, food or feed by storage or disposal. Do not dispose of product down any drains, waterways or sewers. Tanks are non-refillable. Dispose of partly filled tanks by recapping and placing in trash can or may be disposed of by an approved waste disposal facility.

Contaminated packaging: Do not re-use empty tanks. If the tank is empty, place empty tank in trash or offer for recycling.

14. TRANSPORTATION INFORMATION

DOT (US): Not regulated
IMDG: Not regulated
IATA: Not regulated

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. The requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

KEEP OUT OF REACH OF CHILDREN

CAUTION / PRECAUTIONARY STATEMENTS

Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear protective nitrile gloves \geq 14 mils or butyl rubber \geq 14 mils, long sleeved shirts, and long pants when handling this product.

SARA 302 Components: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Massachusetts Right to Know Components: This material does not contain any chemical components above the regulatory threshold limit for Massachusetts Right to Know.

Pennsylvania Right to Know Components: This material does not contain any chemical components above the regulatory threshold limit for Pennsylvania Right to Know.

New Jersey Right to Know Components: This material does not contain any chemical components above the regulatory threshold limit for Pennsylvania Right to Know.

California Prop. 65 Components: WARNING! This product contains a chemical known to the State of California to cause cancer or reproductive toxicity.
CAS-No. 106-87-6: 4-Vinylcyclohexene diepoxide

16. OTHER INFORMATION

The date of preparation of the SDS or the last change to it: 10/23/2018