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MATERIAL SAFETY DATA SHEET

Snake Out[®] Snake Repellent

Health Emergencies: CHEMTREC[®] (800) 424-9300

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Manufacturer: Nisus Corporation
100 Nisus Drive
Rockford, TN 37853 USA
(800) 264-0870

Product Trade Name: **Snake Out[®] Snake Repellent**
EPA Registration No.: EPA Exempt (Food components)
– Non-Pesticidal

SECTION 2 – INGREDIENTS INFORMATION

Components	OSHA PEL
Proprietary Formulation (Specific Chemical Identity: Common Name(s))	
Clay	N/A
Cinnamon Oil (CAS # 8015-91-6)	N/A
Clove Oil (CAS # 8000-34-8)	N/A
Cedar Oil (CAS # 68990-83-0)	N/A
Sulfur (CAS # 7704-34-9)	N/A

SECTION 3 - HEALTH HAZARD INFORMATION

Hazard Rating: NFPA	Health	1	Slight hazard
	Flammability	0	
	Reactivity	0	

POTENTIAL HEALTH EFFECTS: Irritation to eyes, skin and throat via dust exposure

PRIMARY ROUTE(S) OF ENTRY: Ingestion, eye and skin contact.

EYES: May cause eye irritation.

SKIN: May cause skin irritation

INHALATION: Harmful if inhaled. Breathing high concentrations of vapors or dust may cause nausea, dizziness or drowsiness, and irritation of the nose and throat. Preexisting lung disorders may be aggravated by exposure to this material.

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

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.

SKIN CONTACT: Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes.

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 further treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

INGESTION: SEEK EMERGENCY MEDICAL ATTENTION. If the victim is drowsy or unconscious, place on the left side with the head down. Do not give anything by mouth. If victim is conscious and alert, vomiting should be induced for ingestion of more than 2–4 tablespoons for an adult, preferably with syrup of ipecac under direction from a physician or poison center. If syrup of ipecac is not available, vomiting can be induced by gently placing two fingers in back of throat. If large amounts are ingested, treat for sulfur toxicity. If possible, do not leave victim unattended.

SECTION 5 - FIRE AND EXPLOSION DATA

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, or Water.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: Avoid contact with spilled material.

DISPOSAL: Sweep up spilled material and place in trash. May be buried in an approved landfill.

SECTION 7 - HANDLING AND STORAGE

STORAGE: Keep sealed. Store in a cool, dry place. Keep out of reach of children.

HANDLING PRECAUTIONS: Avoid contact with eyes, skin or clothing. Wash skin and clothing after handling. Do not apply directly to water.

CONTAINER DISPOSAL: Do not reuse empty container. Discard empty container in trash.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION: Good ventilation. When applying Snake Out in confined spaces, provide ventilation or an exhaust system or use of a NIOSH-approved dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G) or a NIOSH-approved respirator with any N, R, P or HE prefilter is recommended.

VENTILATION: Exhaust to ventilate.

The following personal protective equipment is recommended:

PROTECTIVE GLOVES: Some materials that are chemical-resistant to this product are barrier laminate; butyl, nitrile, neoprene and natural rubbers \geq 14 mils; polyethylene; polyvinyl chloride; and viton \geq 14 mils. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

EYE PROTECTION: Use safety glasses, goggles or face shield.

OTHER PROTECTIVE EQUIPMENT: Applicators, mixers and other handlers must wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and protective eyewear. It is recommended that a source of clean water be available in the work area for flushing eyes and washing skin.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gray granular solid

Odor: Pleasant/Cinnamon

Physical State: Solid

Melting Point: N/A

Specific Gravity: N/A

Percent Volatiles: N/A

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: N/A

Vapor Pressure: N/A

Solubility (H₂O): Soluble

pH: N/A

Density: 35–40 lbs. cu. ft.

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to strong oxidizing agents.

INCOMPATIBILITY (MATERIALS TO AVOID): This material is incompatible with strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide, carbon dioxide, sulfur compounds.

SECTION 11 - TOXICOLOGY

Snake Out is of very low acute mammalian toxicity.

Acute oral LD₅₀ – Not tested - assumed by calculation to be greater than 5000 mg/kg body weight.

Acute dermal LD₅₀ – Not tested - assumed greater than 2000 mg/kg body weight

Acute inhalation LC₅₀ – Not tested. Intentional misuse by deliberately concentrating and inhaling this material may be harmful or fatal.

None of the major constituents of this material have been identified as carcinogens or probable carcinogens by IARC or OSHA.

SECTION 12 – ECOLOGICAL INFORMATION

General: This material is a mixture of plant derived food oils with a sulfur and clay carrier. In the event of accidental environmental release, sweep or scoop up solid and wash away the remainder with water. All ingredients are broken down naturally in the environment.

Phytotoxicity: Sulfur, a component in Snake Out, can be phytotoxic in high concentration in susceptible plant species.

Algal Toxicity: None known

Invertebrate Toxicity: None known

Fish Toxicity: None known

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Unopened containers may be returned to Nisus Corporation for reprocessing. Can be placed in trash or approved landfill.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Hazard Classification: Not Regulated

SECTION 15 – REGULATORY INFORMATION

EPA Registration No.: N/A EPA Exempt

Chemical Family: Food/plant derived oils, sulfur and inert carrier.

Hazard Rating: NFPA	Health	1	Slight hazard
	Flammability	0	
	Reactivity	0	

SECTION 16 – OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This information and product are furnished on the condition that the persons receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use thereof.

**100 Nisus Drive • Rockford, TN 37853 USA • (800) 264-0870**

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