

Material Safety Data Sheet

INSECT REPELLENT 2 oz.
QUICK IDENTIFIER
 Common Name: (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

MAY 26 1994

SECTION 1 -

Manufacturer's Name: AIROSOL COMPANY, INC.
 Address: P.O. Box 120
 City, State, and ZIP: Neodesha, Kansas 66757
 Emergency Telephone No.: 316/325-2666
 Other Information Calls: 316/325-2666
 Date Prepared: Revised 4-9-90
 Signature of Person Responsible for Preparation (Optional):

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
Denatured Alcohol	1000 ppm	1000 ppm	NA	NA	64-17-5
N,N'-Diethyl-m-Toluamide	Not established		NA	NA	134-62-3
Brucine Sulfate	None	None	NA STEL	<0.1	4845-99-2
t-Butyl Alcohol	100 ppm	100 ppm	150 ppm	<0.1	75-65-0

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 173° F initial (Ethyl Alcohol)
 Specific Gravity (H₂O=1): 0.95-0.97
 Vapor Pressure (mm Hg): 55.7 (Ethyl Alcohol)
 Vapor Density (Air = 1): greater than
 Solubility in Water: slight (alcohol portion)
 Reactivity in Water: DEET polymer will slowly hydrolyze with water
 Appearance and Odor: pale straw, liquid sweet
 Melting Point: NA

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: F. C. Method Pensky Martin Used 73° F
 Flammable Limits in Air % by Volume: LEL Lower 3.3* UEL Upper 19* *pure ethyl alcohol
 Auto-ignition Temperature: NA
 Extinguisher Media: Alcohol foam, dry chemical, CO₂, water spray

Special Fire Fighting Procedures: Remove all personnel not trained in fire fighting procedure. Eliminate all sources of ignition (sparks, open flames, etc.) Use water to keep containers surrounding fire cool. Use alcohol foam or dry chemical to extinguish fire. If leak or spill has not ignited, use water fog & protect men attempting to stop leak or contain it. Dilute spills to nonflammable mixtures. NFPA-49.

Unusual Fire and Explosion Hazards: Fire fighters should wear self-contained breathing apparatus in the positive pressure mode with full facepiece when there is a possibility of exposure to smoke fumes or hazardous decomposition products.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Stable Conditions to Avoid open flames

Incompatibility (Materials to Avoid) strong oxidizing agents. Water will slowly hydrolyze the active ingredient and decrease its effectiveness as a repellent.

Hazardous Decomposition Products as with other organic materials, combustion will produce CO₂ and carbon monoxide

Hazardous Polymerization May Occur Will Not Occur Conditions to Avoid

SECTION 6 - HEALTH HAZARDS

1. Acute skin irritation, defating, 2. Chronic none known

excessive exposure can cause dizziness, headaches, etc.

Signs and Symptoms of Exposure inhalation, dizziness, drowsiness, headache, loss of appetite & irritation to throat if exposure is over 1000 ppm. Ingested: nausea, vomiting, diarrhea and CNS depression. Skin irritation and defatting when contact is prolonged. Eye irritation.

Medical Conditions Generally Aggravated by Exposure None known

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program Yes No

I.A.R.C. Monographs Yes No

OSHA Yes No

Emergency and First Aid Procedures Ingestion: If alert and able to swallow, have victim drink water to dilute. Call a poison control center or physician before inducing vomiting. Eyes:

flush with copious amounts of water for at least 15mn. Consult physician. Skin: Remove contaminated clothing & launder before reuse. Wash skin with soap and water for 15 min.

Inhaled: If effected, remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give CPR.

ROUTES OF ENTRY

1. Inhalation: Possible
2. Eyes: Not likely
3. Skin NA - skin applied product.
4. Ingestion Not likely

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Store in a cool dry place away from sunlight, if possible. Do not store near sources of energy that may cause this product to ignite, ie open flames, electrical. Do not store with products intended for human consumption.

Other Precautions Keep from moisture. Do not discard into trash compactor or place contents in public water system.

Steps to be Taken in Case Material is Released or Spilled Turn off all sources of ignition and remove non-trained personnel. Wear protective equipment. Dike area of spill and absorb onto vermiculite or other absorbant and place into a DOT approved container for disposal.

Waste Disposal Methods (Consult federal, state, and local regulations) Disposal must be in accordance with federal, state and local laws.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) self-contained breathing apparatus

Ventilation Local Exhaust yes Mechanical (General) yes to keep concentration below TLVs on Section 2 Special Other

Protective Gloves Impermeable (neoprene) Eye Protection goggles or gloves with side shields

Other Protective Clothing or Equipment sufficient to minimize physical contact

Work/Hygenic Practices good personal hygiene (wash before eating, etc.)

IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.