Spectrum
Division of United Industries Corp.
P.O. Box 142642
St. Louis, MO 63114-0642

# Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

| Hazardous Material Identification System-(HMIS) | |
|---|---|
| HEALTH - 2 | REACTIVITY - 0 |
| FLAMMABILITY - 3 | PERSONAL - None |

**I Trade Name:** Cutter Insect Repellent2

**Product Type:** Insect Repellent Aerosol

**Product Item Number:** HG-95761

**Formula Code Number:** 21-0394

| EPA Registration Number | Manufacturer | Emergency Telephone No. |
|---|---|---|
| 121-68 | Chemsico<br>8494 Chapin Industrial Dr.<br>St. Louis, MO 63114 | **For Chemical Emergency:** 1-800-633-2873<br>**For Information:** 1-800-332-5553<br>**Prepared by:** Charlie Duckworth<br>**Date Prepared:** October 18, 2010 |

## II Hazardous Ingredients/Identity Information

| Chemical | % | OSHA PEL | ACGIH TLV |
|---|---|---|---|
| N,N-diethyl-m-Toluamide (DEET) CAS #134-62-3 | 23 | NA | NA |
| SDA-40 Ethanol CAS #64-17-5 | 35 | NA | 1000 ppm |
| Isobutane CAS #75-28-5 | 10 | NE | NE |

## III Physical and Chemical Characteristics

**Appearance and Odor:** Clear, colorless or pale yellow liquid with ethanollic odor.
**Boiling Point:** 75°C
**Vapor Pressure:** 43mm @ 20°C
**Specific Gravity:** 0.88 @ 72°F ($H_20$=1)
**Vapor Density:** 1.6
**% Volatile (by vol.):** 65
**Solubility in Water:** Not known
**Evaporation Rate:** Approx. 1 (BuOAc=1)

## IV Fire and Explosion Hazard Data

**Flash Point:** 56°F (Closed Cup)
**Flame Extension**: 18"
**Flammable Limits: Lower:** 3.3% **Upper:** 19.0%
**Autoignition Temp.:** 793°F
**Fire Extinguishing Media:** $CO_2$, Foam, or Dry Chemical
**Decomposition Temp.:** N/A
**Special Fire-Fighting Procedures: For small fires:** Use $CO_2$ or dry chemical extinguisher. **For large fires:** Use copious amounts of water.
**Unusual Fire and Explosion Hazards:** See section VII

## V Reactivity Data

**Stability:** Stable
**Polymerization:** Will not occur
**Conditions to Avoid:** None
**Incompatible Materials:** May soften or damage some synthetics such as rayon. May damage leather.
**Hazardous Decomposition or Byproducts:** None

## VI Health Hazard Data

**Ingestion (Swallowing):** Harmful if swallowed. **First Aid:** Consult a physician or poison control. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger**. Do not** induce vomiting or give anything by mouth to an unconscious person.
**Eye Contact:** May cause eye irritation. **First Aid:** Flush with plenty of water. Get medical attention.
**Skin Contact:** If skin reaction occurs, wash with soap and water. Get medical attention if irritation persists.
**Inhalation Toxicity:** Avoid breathing spray mist or using in enclosed area.
**Special Notes:** Apply only to skin or clothing, do not ingest. Keep out of eyes. Frequent reapplication or saturation is unnecessary.
**Health Conditions Aggravated by Exposure:** None Known
**Ingredients listed by NTP, OSHA or IARC as Carcinogens or potential carcinogens:** None

## VII Precautions for Safe Handling and Use

**Steps to be Taken in Case Material is Released or Spilled:** Flammable material. Remove all possible ignition sources. Wipe up with absorbent material. Wash small quantities away with soapy water. Prevent bulk quantities from entering open sewers and waterways.
**Waste Disposal:** This material is flammable and must be disposed of in accordance with Local, State and Federal regulations. Do not puncture or incinerate empty container; dispose of properly.
**Handling & Storage Precautions:** Keep away from heat, sparks or open flame. Do not expose treated skin to fire sparks or flame until liquid has dried.

## VIII Control Measures

Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.

## IX Transportation Data

**DOT -** Consumer Commodity, ORM-D, UN-1950
**IMDG:** UN-1950, Aerosols, 2.1
**IATA:** Un-1950, Aerosols, Flammable, 2.1

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