# Material Safety Data Sheet

**I Trade Name:** Repel® Insect Repellent Family Dry  
**Product Type:** Insect Repellent Aerosol  
**Product Item Number:** HG-94120  
**Formula Code Number:** 21-1169  
**EPA Registration Number:** 121-65  
**Manufacturer:** Chemsico  
**Address:** 8494 Chapin Industrial Dr.  
**City:** St. Louis, MO 63114  
**Emergency Telephone No.:**  

For Chemical Emergency: 1-800-633-2873  
For Information: 1-888-880-1181  
Prepared by: C.A. Duckworth  
Date Prepared: May 6, 2011

## II Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Chemical</th>
<th>% OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>N,N-diethyl-m-toluamide</td>
<td>10</td>
<td>NA</td>
</tr>
<tr>
<td>CAS #134-62-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDA-40 Ethanol</td>
<td>35</td>
<td>NA</td>
</tr>
<tr>
<td>CAS #64-17-5</td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Isobutane</td>
<td>15</td>
<td>NE</td>
</tr>
<tr>
<td>CAS #75-28-5</td>
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<td></td>
</tr>
</tbody>
</table>

## III Physical and Chemical Characteristics

**Appearance and Odor:** Light mist spray with ethanol odor.  
**Boiling Point:** NA  
**Vapor Pressure:** NA  
**Specific Gravity:** 0.94 @ 72°F (H2O=1)  
**Vapor Density:** 1.8  
**% Volatile (by vol.):** >90%  
**Solubility in Water:** NA  
**Evaporation Rate:** Approx. 1 (BuOAc=1)

## IV Fire and Explosion Hazard Data

**Flash Point:** 65°F (Closed Cup)  
**Flame Extension:** 12” (Level 1 Aerosol)  
**Flammable Limits:** Lower: 3.3%, Upper: 19.0%  
**Autoignition Temp.:** 793°F  
**Flame Extension:** CO2, Foam, or Dry Chemical  
**Decomposition Temp.:** N/A  
**Special Fire-Fighting Procedures:** For small fires: Use CO2 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:** 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 a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.  
**Eye Contact:** Causes substantial but temporary eye injury. **First Aid:** 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. Call a Poison Control Center or doctor for treatment advice.  
**Skin Contact:** Use of this product may cause skin reactions in rare cases. **First Aid:** Discontinue use. Rinse skin with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.  
**Special Notes:** Have the product container with you when calling a Poison Control Center or doctor, or going for treatment.  
**Health Conditions Aggravated by Exposure:** None  
**Known 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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