Material Safety Data Sheet

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
Signature of Person Responsible for Preparation (Optional): Revised 4-9-90

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY
<table>
<thead>
<tr>
<th>Hazardous Component(s) (chemical &amp; common name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Exposure Limits</th>
<th>% (optional)</th>
<th>CAS NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denatured Alcohol</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td>NA</td>
<td>NA</td>
<td>64-17-5</td>
</tr>
<tr>
<td>N,N'-Diethyl-m-Toluamide</td>
<td>Not established</td>
<td>NA</td>
<td>NA</td>
<td>134-62-3</td>
<td></td>
</tr>
<tr>
<td>Brucine Sulfate</td>
<td>None</td>
<td>None</td>
<td>NA</td>
<td>STEL</td>
<td>4845-99-2</td>
</tr>
<tr>
<td>t-Buaty Alcohol</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>150 ppm</td>
<td>&lt;0.1</td>
<td>75-66-0</td>
</tr>
</tbody>
</table>

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

- Boiling Point: 173° F initial (Ethyl Alcohol)
- Specific Gravity (H2O = 1): 0.95-0.97
- Vapor Density (Air = 1): greater than
- 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

<table>
<thead>
<tr>
<th>Flash Point F. C. Method</th>
<th>Pensky Martin 73° F</th>
<th>Flammable Limits in Air % by Volume</th>
<th>LEL Lower</th>
<th>UEL Upper 19° *pure ethyl alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-Ignition Temperature</td>
<td>NA</td>
<td>Extinguisher Media: Alcohol foam, dry chemical, CO2, water spray</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
- Conditions to Avoid: open flames
- Incompatibility: 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
- Conditions to Avoid: Will Not Occur

**SECTION 6 - HEALTH HAZARDS**

1. Acute: Skin irritation, defatting.
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

**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 15min. Consult physician. Skin:
- Remove contaminated clothing & launder before reuse. Wash skin with soap and water for 15 min.
- Inhaled: If affected, remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give CPR.

**R O U T E S 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 absorbent 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**

<table>
<thead>
<tr>
<th>Respiratory Protection (Specify Type)</th>
<th>Self-contained breathing apparatus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation</td>
<td>Local Exhaust</td>
</tr>
<tr>
<td>Protective Gloves</td>
<td>Impermeable (neoprene)</td>
</tr>
<tr>
<td>Other Protective Clothing or Equipment</td>
<td>Sufficient to minimize physical contact</td>
</tr>
<tr>
<td>Work/Hygienic Practices</td>
<td>Good personal hygiene (wash before eating, etc.)</td>
</tr>
</tbody>
</table>

**IMPORTANT**

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