# Material Safety Data Sheet

**SECTION 1 -**

**Manufacturer's Name**

Defense Technology / Federal Laboratories

**Address**

Postal Box 240

City, State, and ZIP

Casper, Wyoming 82602

**Emergency Telephone No.**

(800) 424-9300

**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 % (optional)</th>
<th>CAS NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Capsaicinoids</em></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>404-86-4</td>
</tr>
<tr>
<td><em>Propylene Glycol USP</em></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>57-55-6</td>
</tr>
<tr>
<td><em>Specialty Denatured Alcohol (SDA) 40B</em></td>
<td>1,000 ppm</td>
<td>1,000 ppm</td>
<td>N/A</td>
<td>64-17-5</td>
</tr>
<tr>
<td><em>Distilled H2O</em></td>
<td>N/A</td>
<td>N/A</td>
<td>N.A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Nitrogen is the exclusive propellant.

There are no HCFC's or CFC's

**SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Boiling Point &gt;220°</th>
<th>Specific Gravity (H2O = 1)</th>
<th>Vapor Pressure (mm Hg) N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.955</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Solubility in Water Soluble

Reactivity in Water None

Appearance Creamy / Pungent

Melting Point N/A

**SECTION 4 - FIRE & EXPLOSION DATA**

<table>
<thead>
<tr>
<th>Flash Point &gt;220°</th>
<th>Method Used</th>
<th>Flammable Limits in Air % by Volume</th>
<th>LEL Lower N/A</th>
<th>UEL Upper N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SWS46-1010</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Auto-Ignition Temperature >220° F.

Extinguisher Media Water, foam, dry chemical CO2.

Special Fire Fighting Procedures Wear respirator or self-contained breathing apparatus to avoid irritation.

Unusual Fire and Explosion Hazards None.
SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incompatibility</td>
<td>N/A</td>
<td>Stable to Avoid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Decomposition Products</th>
<th>N/A</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
</table>

SECTION 6 - HEALTH HAZARDS

1. Acute

See Signs and Symptoms

Ingestion may cause nausea, vomiting, and/or diarrhea.

Medical Conditions Generally Aggravated by Exposure

May cause more severe, temporary, effects on those persons who are asthmatics or suffer from emphysema

2. Chronic

See Signs and Symptoms

Chemical Listed as Carcinogen or Potential Carcinogen

I.A.R.C. Yes

OSHA Yes

National Toxicology Program No

Monographs No

Emergency and First Aid Procedures

Provide fresh air. Irrigate with copious amounts of cool water. Obtain medical advice if symptoms persist.

ROUTES OF ENTRY

1. Inhalation

Provide fresh air.

2. Eyes

Irrigate with cool water at least 15 minutes, or until relieved.

3. Skin

Flush with cool water. Wash with mild soap and water.

4. Ingestion

Rinse mouth with water. Ingest milk, or water. Obtain medical advice immediately.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be Taken in Handling and Storage

Store in a cool, dry area. Avoid direct light and heat. Do not expose to temperatures over 120° F.

Other Precautions

N/A

Waste Disposal Methods (Consult Federal, State, and Local Regulations)

Evacuate contents in a safe area, and dispose of container.

SECTION 8 - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES

Respiratory Protection

Not required under normal conditions of use.

Ventilation

Y (Yes) Local Exhaust

Y (Yes) Mechanical (General)

Protective Gloves

Eye Protection

To be utilized in a manufacturing environment in

Other Protective Clothing or Equipment

Not required and around machinery. Minimal exposure without protective

Work/Hygienic Practices

Normal eyewear in an officer training environment is acceptable.

IMPORTANT

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