Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910. 1200. Standard must be consulted for specific requirements.

SECTION 1 -
Manufacturer's Name
Defense Technology / Federal Laboratories

Address
Postal Box 248
Casper, Wyoming 82602

City, State, and ZIP

Postal Box 248
Casper, Wyoming 82602

Emergency Telephone No.
(800) 424-9300

Other Information Calls
(877) 248-3835

Signature of Person Responsible for Preparation (Optional)

Prepared

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY
Hazardous Component(s) (chemical & common name(s))

OSHA PEL
ACGIH TLV
Other Exposure Limits
%
(CAS NO.

Capsaicin
NG ppm
NG ppm

D-Limonene
NG ppm
NG ppm

Secondary Butanol
100 ppm
100 ppm

1,1,1,2-Tetrafluoroethane
NG ppm
1000 ppm

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS
Boiling Point
350° F

Vapor Pressure (mm Hg)
Varies w/temp

Specific Gravity (H2O = 1)
Varies w/temp

Vapor Density (Air = 1)
NG

Solubility in Water
Nil

Reactivity in Water
Nil

Appearance and Odor
Dark Brown Liquid, Aromatic Odor

Melting Point
NG

SECTION 4 - FIRE & EXPLOSION DATA
Flash Point
N/A

Method Used
N/A

Flammable Limits in Air % by Volume

LEL Lower

UEL Upper

Auto-ignition Temperature

Extinguisher Media
Use dry chemical, CO2, or water spray.

Special Fire Fighting Procedures
Cool containers if exposed to fire or high heat.

Unusual Fire and Explosion Hazards
Product packaged in aerosol form may cause containers to burst when exposed to extreme heat.
SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>Avoid exposure to extreme heat.</th>
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</table>

Incompatibility (Materials to Avoid)

Hazardous Decomposition Products

Hazardous thermal decomposition products may form such as Carbon Monoxide, Carbon Dioxide and other toxic and corrosive gases.

Hazardous Polymerization

May Occur | Conditions to Avoid | Pungent fumes may be emitted on exposure to temperatures above 175° F.

SECTION 6 - HEALTH HAZARDS

1. Acute

See Signs and Symptoms

May cause irritation, nausea, and a burning sensation.

2. Chronic

Medical Conditions Generally Aggravated by Exposure

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program Yes No

I.A.R.C. Yes No

OSHA Yes No

Emergency and First Aid Procedures

Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer CPR.

Flush eyes with cool water for at least 15 minutes. Wash with cool water and soap. Drink a glass of water. Do not induce vomiting.

ROUTES OF ENTRY

1. Inhalation

Burning sensation, irritation and nausea.

2. Eyes

Burning sensation and irritation.

3. Skin

Liquid and vapors can cause irritation.

4. Ingestion

Liquid can cause nausea and a burning sensation.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be Taken in Handling and Storage

Packaged product is under pressure. Do not puncture, incinerate or store at temperature above 130° F.

Other Precautions

Irritating to eyes, nose and skin. Avoid inhaling vapors and contact with skin.

Steps to be Taken in Case Material is Released or Spilled

Extinguish all flames then soak up material in absorbent material and shovel into waste container.

Waste Disposal

Methods (Consult Federal, State, and Local Regulations)

Dispose of in accordance with local, state and federal regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES

Respiratory Protection (Specify Type)

Use chemical respirator, NIOSH approved.

Ventilation

Yes | Local Exhaust | Yes | Mechanical (General) | Yes | Special | No | Other | No

Protective Gloves

Use solvent-resistant rubber gloves

Eye Protection

Use chemical-resistant goggles.

Other Protective Clothing or Equipment

Use solvent-resistant type with full jacket.

Work/Hygienic Practices

Avoid absorption of product on clothing. If absorbed in clothing, remove and launder at once.

IMPORTANT

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