Material Safety Data Sheet

SECTION 1 -
Manufacturers

Name: Defense Technology Corporation of America

Address

Postal Box 240
Casper, Wyoming 82602

City, State, and ZIP: Casper, Wyoming 82602

Signature of Person Responsible for Preparation (Optional)

Date Prepared: 2/15/99

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))

OSHA PEL
ACGIH TLV
Other Exposure Limits
% (optional)

*Caprolactam

N/A
N/A
N/A
0.18%
404-36-1

*Propylene Glycol USP

N/A
N/A
N/A
13%
57-55-6

*Specialty Denatured Alcohol (SDA) 40B

1,000 ppm
1,000 ppm
N/A
25%
64-17-5

*Distilled H2O

N/A
N/A
N.A.
52%
N/A

*Nitrogen is the exclusive propellant.

There are no HCFC's or CFC's

U.S. Patent 5,217,708

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: >230°

Vapor Density (Air = 1)

Specific Gravity (H2O = 1)

0.955

Vapor Pressure (mm Hg)

N/A

Solubility

in Water

Soluble

Reactivity In Water

None

Appearance and Odor

Creamy / Pungent

Melting Point

N/A

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: >320°

Flammable Limits

In Air % by Volume

LEL
Lower
N/A

UEL
Upper
N/A

Auto-Ignition Temperature: >230° F

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)

Stability: Unstable ☒ Conditions: Sizable

Incompatibility (Materials to Avoid): N/A

Hazardous Decomposition Products: N/A

Hazardous Polymerization: May Occur ☐ Conditions to Avoid

SECTION 6 - HEALTH HAZARDS

1. Acute
   - Signs and Symptoms of Exposure: Ingredients may cause irritation through all routes of entry. Repeated contact may cause dermatitis.
   - 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 asthmatic or suffer from emphysema.

2. Chronic
   - See Signs and Symptoms

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: Irritate 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

Steps to be Taken in Case Material is Released or Spilled: Wipe up small spills with absorbent. With large spills, use respiratory equipment to avoid irritation, and collect with an absorbent.


SECTION 8 - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES

Respiratory Protection (Specify Type): Not required under normal conditions of use.

Ventilation: Local Exhaust: Yes

Protective Gloves: Eye Protection: To be utilized in a manufacturing environment.

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Normal

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