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
City, State, and ZIP Casper, Wyoming 82602

Emergency Telephone No. (800) 424-9300
Other Information Calls (877) 248-3835

Signature of Person Responsible for Preparation (Optional)
Date Prepared 11/01/04

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTIFY

Hazardous Component(s) (chemical & common name(s)) OSHA PEL ACGIH TLV Other Exposure Limits % (optional) CAS NO.

Zinc Oxide 5 mg/m³ 1314-132
Hexachloroethane ----(dogs) MLD 325 mg/kg 67-72-1
Aluminum Powder 10 mg/m³

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point N/A Specific Gravity (H2O = 1) N/A Greater than 1 Vapor Pressure (mm Hg) N/A

Vapor Density (Air = 1) N/A

Solubility in Water Slight Reactivity in Water Yes (Aluminum Powder)
Appearance and Odor White Powder Melting Point N/A

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point Unk. F.C. Method Used Flammable Limits in Air % by Volume LEL Lower Unknown. UEL Upper Unknown

Auto-Ignition Temperature Unknown Extinguisher Media Dry Chemical

Special Fire Fighting Procedures Self-contained breathing apparatus.

Unusual Fire and Explosion Hazards Burns vigorously and may explode if confined.
Common Name: (used on label and list)

1083 - Military Style HC Smoke Grenade

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability

<table>
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<tr>
<th>Stable</th>
<th>Conditions to Avoid</th>
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Incompatibility

(Materials to Avoid)

Water

Hazardous Decomposition Products

CCl₄, C₂Cl₄, Aluminum Oxide, ZnCl

Hazardous Polymerization

May Occur

<table>
<thead>
<tr>
<th>Conditions to Avoid</th>
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SECTION 6 - HEALTH HAZARDS

1. Acute

See Signs and Symptoms

May be irritating to skin and mucous membrane. In high concentrations, it has a narcotic effect.

Medical Conditions Generally May damage kidney and liver.

Emergency and First Aid Procedures

Remove to fresh air; give oxygen if necessary. Wash with soap and water. If ingested, contact physician.

1. Inhalation

Remove to fresh air; give oxygen if necessary.

2. Eyes

Wash with water.

3. Skin

Wash with soap and water.

4. Ingestion

Contact physician.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be Taken in Handling and Storage

Keep away from heat sparks and open flames.

Other Precautions

None

Steps to be Taken in Case Material is Released or Spilled

Sweep into containers; avoid contact with water.

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

Dispose of by incineration. State and local laws take precedence.

SECTION 8 - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES

Respiratory Protection

Dust respirator

Ventilation

Yes

Local Exhaust

Yes

Mechanical (General)

Yes

Special

Yes

Explosion-proof

Other

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Protective Gloves

Eye Protection

Goggles

Other Protective Clothing or Equipment

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Work/Hygienic Practices

Wash with soap and water; wear mask; no smoking.

IMPORTANT

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