

# Material Safety Data Sheet

PEPPER MACE®

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

## QUICK IDENTIFIER

Common Name: (used on label and list)

4035 - MK4 5.5% Pepper Mace Fogger

## SECTION 1 -

Manufacturer's

Name *Defense Technology / Federal Laboratories*

Address

*Postal Box 248*

Emergency Telephone No.

*(800) 424-9300*

City, State, and ZIP

*Casper, Wyoming 82602*

Other Information Calls

*(877) 248-3835*

Signature of Person Responsible for Preparation (Optional)

Date Prepared

*11/01/01*

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
<i>Capsaicin</i>	<i>NG ppm</i>	<i>NG ppm</i>			<i>404-86-4</i>
<i>D-Limonene</i>	<i>NG ppm</i>	<i>NG ppm</i>			<i>5989275</i>
<i>Secondary Butanol</i>	<i>100 ppm</i>	<i>100 ppm</i>			<i>78922</i>
<i>1,1,1,2-Tetrafluoroethane</i>	<i>NG ppm</i>	<i>1000 ppm</i>			<i>811972</i>

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	<i>350° F</i>	Specific Gravity (H2O = 1)	<i>Varies w/temp</i>	Vapor Pressure (mm Hg)	<i>Varies w/temp</i>
		Vapor Density (Air = 1)	<i>NG</i>		
Solubility in Water	<i>Nil</i>	Reactivity in Water	<i>Nil</i>		
Appearance and Odor	<i>Dark Brown Liquid, Aromatic Odor</i>	Melting Point	<i>NG</i>		

## SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	<i>N/A</i>	Method Used	<i>N/A</i>	Flammable Limits in Air % by Volume	LEL Lower	UEL Upper
Auto-Ignition Temperature		Extinguisher Media	<i>Use dry chemical, CO2, or water spray.</i>			
Special Fire Fighting Procedures	<i>Cool containers if exposed to fire or high heat.</i>					

Unusual Fire and Explosion Hazards *Product packaged in aerosol form may cause containers to burst when exposed to extreme heat.*

QUICK IDENTIFIER

Common Name: (used on label and list)

4035 - MK4 5.5% Pepper Mace Fogger

**SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)**

Stability Unstable  Stable  Conditions to Avoid *Avoid exposure to extreme heat.*

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  Will Not 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* 2. Chronic -----

Signs and Symptoms of Exposure *May cause irritation, nausea, and a burning sensation.*

Medical Conditions Generally Aggravated by Exposure

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes  No  I.A.R.C. Monographs 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.