

# Material Safety Data Sheet

PEPPER 10

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)  
**5839 - MK3 Pepper 10 Stream**

## SECTION 1 -

Manufacturer's Name <b>Defense Technology / Federal Laboratories</b>		Emergency Telephone No. <b>(800) 424-9300</b>
Address <b>Postal Box 248</b>		Other Information Calls <b>(877) 248-3835</b>
City, State, and ZIP <b>Casper, Wyoming 82602</b>		Date Prepared <b>11/01/01</b>
Signature of Person Responsible for Preparation (Optional)		

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
<i>*Capsaicinoids</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>.18%</i>	<i>404-86-4</i>
<i>*Propylene Glycol USP</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>13%</i>	<i>57-55-6</i>
<i>*Specialty Denatured Alcohol (SDA) 40B</i>	<i>1,000 ppm</i>	<i>1,000 ppm</i>	<i>N/A</i>	<i>28%</i>	<i>64-17-5</i>
<i>*Distilled H2O</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>58%</i>	<i>N/A</i>

*\*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 <b>&gt;220°</b>	Specific Gravity (H2O = 1) <b>0.955</b>	Vapor Pressure (mm Hg) <b>N/A</b>
Vapor Density (Air = 1) <b>N/A</b>		
Solubility in Water <b>Soluble</b>	Reactivity in Water <b>None</b>	
Appearance and Odor <b>Creamy / Pungent</b>	Melting Point <b>N/A</b>	

## SECTION 4 - FIRE & EXPLOSION DATA

Flash Point <b>&gt;220°</b>	Method Used <b>SW846-1010</b>	Flammable Limits in Air % by Volume	LEL Lower <b>N/A</b>	UEL Upper <b>N/A</b>
Auto-ignition Temperature <b>&gt;220° F.</b>	Extinguisher Media <b>Water, foam, dry chemical CO2.</b>			
Special Fire Fighting Procedures <b>Wear respirator or self-contained breathing apparatus to avoid irritation.</b>				

Unusual Fire and Explosion Hazards  
**None.**

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

Stability Unstable  Stable  Conditions to Avoid

Incompatibility (Materials to Avoid) *N/A*

Hazardous Decomposition Products *N/A*

Hazardous Polymerization May Occur  Will Not Occur  Conditions to Avoid

**SECTION 6 - HEALTH HAZARDS**

1. Acute

2. Chronic

*See Signs and Symptoms*

*See Signs and Symptoms*

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 asthmatics*

*or suffer from emphysema*

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program Yes  No

I.A.R.C. Monographs No. Yes  No

OSHA Yes  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*

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.*

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 ( Specify Type ) *Not required under normal conditions of use.*

Ventilation	Local Exhaust	Mechanical ( General )	Special	Other
<i>Yes</i>	<i>Yes</i>			

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.