

# Material Safety Data Sheet

**FIRST DEFENSE® - INERT**

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)  
**5139 - MK3 First Defense Inert Stream**

## 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

*11/01/04*

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
<i>Specialty Denatured Alcohol (SDA) 40B</i>	<i>1,000 ppm</i>	<i>1,000 ppm</i>	<i>N/A</i>	<i>10%</i>	<i>64-17-5</i>
<i>Deionized H2O</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>80%</i>	<i>N/A</i>
<i>Propylene Glycol USP</i>	<i>PEL/TLV not established</i>			<i>10%</i>	<i>57-55-6</i>
	<i>for this material</i>				

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	<i>220°</i>	Specific Gravity (H2O = 1)	Vapor Pressure (mm Hg)	<i>N/A</i>
		Vapor Density (Air = 1)		<i>N/A</i>
Solubility in Water	<i>Soluble</i>	Reactivity in Water		<i>None</i>
Appearance and Odor	<i>Clear liquid / slight alcohol odor</i>	Melting Point		<i>N/A</i>

## SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	<i>220°</i>	Method Used	<i>SW846-1010</i>	Flammable Limits in Air % by Volume	<i>N/A</i>	LEL Lower	<i>N/A</i>	UEL Upper	<i>N/A</i>
Auto-Ignition Temperature	<i>220° F.</i>	Extinguisher Media	<i>Water, foam, dry chemical CO2.</i>						
Special Fire Fighting Procedures	<i>Wear respirator or self-contained breathing apparatus to avoid irritation.</i>								
Unusual Fire and Explosion Hazards	<i>None.</i>								

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SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable  Conditions to Avoid Stable

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 N/A 2. Chronic N/A

Signs and Symptoms of Exposure N/A

Medical Conditions Generally Aggravated by Exposure N/A

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 N/A

ROUTES OF ENTRY

- 1. Inhalation N/A
- 2. Eyes N/A
- 3. Skin N/A
- 4. Ingestion N/A

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.

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 N/A Local Exhaust N/A Mechanical ( General ) Special Other

Protective Gloves Eye Protection Yes

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.