

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)

5149 - MK4 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	220°	Specific Gravity (H2O = 1)	Vapor Pressure (mm Hg)	N/A
		Vapor Density (Air = 1)		N/A
Solubility in Water	Soluble	Reactivity in Water	None	
Appearance and Odor	Clear liquid / slight alcohol odor	Melting Point	N/A	

SECTION 4 - FIRE & EXPLOSION DATA

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

Unusual Fire and Explosion Hazards	<i>None.</i>
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None.

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SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable ☐ Conditions
 Stable ☒ to AvoidIncompatibility
(Materials to Avoid) N/AHazardous
Decomposition Products N/AHazardous May Occur Conditions
Polymerization Will Not Occur ☒ to Avoid

SECTION 6 - HEALTH HAZARDS

1. Acute 2. Chronic

N/A

N/A

Signs and
Symptoms of Exposure N/AMedical Conditions Generally
Aggravated by Exposure N/AChemical Listed as Carcinogen
or Potential CarcinogenNational Toxicology Yes ☐
Program No ☒I.A.R.C. Yes ☐
Monographs No ☒OSHA Yes ☐
No ☒Emergency and
First Aid Procedures N/AROUTES
OF
ENTRY1. Inhalation
N/A2. Eyes
N/A3. Skin
N/A4. 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/ASteps 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 Local Mechanical Special Other
N/A Exhaust N/A (General)Protective Eye Protection
Gloves YesOther Protective
Clothing or Equipment Not requiredWork/Hygienic Practices
Normal

IMPORTANT

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