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Material Safety Data Sheet

**FIRST DEFENSE®
 QUICK IDENTIFIER**

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

Common Name: (used on label and list)
 5039, 5049, 5069, 5089, 5099, 5721, 5746, 5846L

SECTION 1 -

Manufacturer's

Name *Defense Technology Corporation of America*

Address

Postal Box 340

City, State, and ZIP

Casper, Wyoming 83602

Signature of Person Responsible for Preparation (Optional)

Emergency Telephone No.

(800) 434-9300

Other Information Calls

(800) 733-3832

Date Prepared

2/15/99

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
*Capsaicinoids	N/A	N/A	N/A	18%	404-86-5
*Propylene Glycol USP	N/A	N/A	N/A	13%	57-55-5
*Specialty Denatured Alcohol (SDA) 40B	1,000 ppm	1,000 ppm	N/A	28%	64-17-5
*Distilled H ₂ O	N/A	N/A	N/A	58%	N/A

**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 <i>>230°</i>	Specific Gravity (H ₂ O = 1)	<i>0.955</i>	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>Creamy / Putrid</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	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 *None.*

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SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Conditions Stable 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 *See Signs and Symptoms* 2. Chronic *See Signs and Symptoms*

Signs and Symptoms of Exposure *Irritants 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 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 Yes Local Exhaust Yes Mechanical (General) Special Other

Protective Gloves *To be utilized in a manufacturing environment in*

Other Protective Clothing or Equipment *Not required and around machinery. Minimal exposure without protective*

Work/Hygiene Practices *Normal eyewear in an office training environment is acceptable.*

IMPORTANT

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