## 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 Defence Technology / Federal Laborate  | rios                                   |                        |                          |                         |            |
| Address Defense Technology / Federal Laborator             | iles                                   | Emergen                |                          |                         |            |
| Postal Box 248   | Telephone No.<br>ox 248 (800) 424-9300 |                        |                          |                         |            |
| City, State, and ZIP                                       |  | Other<br>Informati     | on.                      |                         |            |
| Casper, Wyoming 82602                                      |  | Calls                  | (877) 248-383            | 35                      | _          |
| Signature of Person Responsible for Preparation (Optional) |  | Date<br>Prepared       |                          |                         |            |
| SECTION 2 - HAZARDOUS INGF                                 | REDIENTS / ID                          | FNTITY                 | 11/01/04                 |                         |            |
| Hazardous Component(s) (chemical & common name(s           |  | ACGIH<br>TLV           | Other Exposure<br>Limits | %<br>(optional)         | CAS<br>NO. |
| Specialty Denatured Alcohol (SDA) 40B                      | 1,000 ppm                              | 1,000 ppm              | N/A                      | 10%                     | 64-17-5    |
| Deionized H2O  | N/A                                    | N/A                    | N/A                      | 80%                     | N/A        |
| Propylene Glycol USP                                       | PEL/TLV not                            |                        |                          | 10%                     | 57-55-6    |
|  | established                            |                        |                          |                         |            |
|  | for this material                      |                        |                          |                         | ,          |
|  | jor mis material                       |                        |                          |                         |            |
| SECTION 3 - PHYSICAL & CHEN Boiling Point 220°             | Specific                               | CTERISTIC<br>(H2O = 1) | Vapo                     | r<br>sure (mm Hg)       | N/A        |
| Vapor  | _                                      | 1120 = 1)              | 1103                     | sure (IIIII Fig)        | IV/A       |
|  | Reactivit<br>Water                     | y in                   | None                     |                         |            |
| Appearance and Odor  Clear liquid / slight alcohol odor    | Melting<br>Point                       |                        | N/A                      |                         |            |
| SECTION 4 - FIRE & EXPLOSIO                                |  |                        |                          |                         |            |
| Flash Method Fl  | lammable Limits<br>Air % by Volume     | N/A LEL<br>Lower       |                          | UEL<br>Upper <i>N/A</i> |            |
| Auto-Ignition Extinguisher                                 |  | _                      | IVA                      | Оррен Ту/А              |            |
| Special Fire   | ater, foam, dry chemic                 |                        |                          |                         |            |
| Fighting Procedures Wear respirator or self-contain        | ed breathing apparatus                 | s to avoid irritatio   | n.                       |                         |            |
| Unusual Fire and   |  |                        |                          |                         |            |
| Explosion Hazards None.                                    |  |                        |                          |                         |            |
|  |  |                        |                          |                         |            |
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| SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)   |
|--|
| Stability Unstable Conditions to Avoid   |
| Incompatibility (Materials to Avoid)  N/A  |
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| Hazardous Decomposition Products $N\!/\!A$   |
| Hazardous 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/A   |
| Medical Conditions Generally Aggravated by Exposure N/A  |
| Chemical Listed as Carcinogen OSHA Yes or Potential Carcinogen Program No Monographs No No No  |
| Emergency and First Aid Procedures N/A   |
|  |
| 1. Inhalation N/A  |
| ROUTES 2. Eyes N/A   |
| 3. Skin  N/A  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.  |
|  |
| Protective Eye Protection Gloves 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.