



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MK3 First Defense Inert Stream		DATE: July 31, 2008	
PRODUCT NUMBER(S): 5139			
TRADE NAME: MK3 First Defense Inert Stream	 <p>DEFENSE TECHNOLOGY</p>		
GENERAL USE: Practice			
CHEMICAL FAMILY: PEG/Alcohol/water stream			
PRODUCT DESCRIPTION: Clear liquid / slight alcohol odor			
MANUFACTURED FOR: Safariland LLC	DATE PREPARED: July 31, 2008	SUPERSEDES: November 1, 2006	
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway		TELEPHONE NUMBER FOR INFORMATION / Customer Service 904-741-5400	
(CITY, STATE AND ZIP CODE) Jacksonville, FL 32218	COUNTRY USA	CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER	
			1-800-255-3924 North America Toll Free 01-813-248-0585 International

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Propylene Glycol USP	5-15	57-55-6	200-338-0	None	None
Specialty Denatured Alcohol (SDA) 40B*	5-15	64-17-5	200-578-6	None	None

*Contains trace amounts of t-Butyl alcohol and Bitrex (denatonium benzoate)
 Notes: Hazard symbols and risk phrases based on maximum listed concentration of each hazardous ingredient.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
 Possible eye, skin, digestive and respiratory system irritation. Contents under pressure - may release product at elevated temperatures.

POTENTIAL HEALTH EFFECTS

INHALATION:
 Possible mild to moderate irritation. Cough may occur shortly following exposure due to the irritant effects. Effects should be mild.

SKIN:
 Liquid concentrate can cause mild irritation and constant exposure may result in dermatitis.

EYES:
 Mild irritation.

INGESTION:
 Ingestion of large quantities may cause nausea, vomiting, and/or diarrhea. Product has a bitter taste.

CARCINOGENICITY:
 NTP? **No** IARC MONOGRAPHS? **No** OSHA REGULATED? **No**
 CALIFORNIA, Prop.65? **No** ESIS? **No**

SECTION 4 - FIRST AID MEASURES

INHALATION:
 Remove patient to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration.

EYES:
 First check the victim for contact lenses and remove if present. Flush victim's eyes with water for at least 15 minutes. Seek medical attention for severe or continued irritation.

SKIN:
 Wash with water.

INGESTION:
 Rinse mouth with plenty of water, then seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
 Not Generally Flammable, as solution is water-based.

EXTINGUISHING MEDIA:
 Use dry chemical, CO2, or water spray. Wear self-contained breathing apparatus.

FIRE FIGHTING PROCEDURES:
 Use NIOSH or European EN149 approved chemical respirator or self-contained breathing apparatus. Use dry chemical, CO2, or water spray to fight surrounding fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Package is under pressure, and may release product when exposed to elevated temperatures.

HAZARDOUS COMBUSTION PRODUCTS:
 Carbon dioxide, carbon monoxide, various hydrocarbons and small amounts of phosgene.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MK3 First Defense Inert Stream
PRODUCT NUMBER(S): 5139 **DATE:** July 31, 2008

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 Wipe up small spills with absorbent cloth and dispose. For large spills (very unlikely), contact authorities.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 Keep product in cool, dry place.. Do not store at temperatures above 120° F. Do not puncture, crush, or incinerate cans.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm	PELmg/m3
Propylene Glycol USP	NE		NE		NE		NE	
Specialty Denatured Alcohol (SDA) 40B*	1000	1900			1000		1000	1900

PERSONAL PROTECTION

RESPIRATORY PROTECTION:
 Wear positive pressure NIOSH or European EN149 approved self-contained breathing apparatus (SCBA).

PROTECTIVE GLOVES:
 Use solvent or chemical resistant rubber gloves.

EYE PROTECTION:
 Use chemical-resistant goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
 Use solvent-resistant type clothing with full jacket.

WORK / HYGIENIC PRACTICES:
 Avoid absorption of product on clothing. If absorbed in clothing, remove and wash clothes at once.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Clear liquid / slight alcohol odor	VAPOR PRESSURE NE
BOILING POINT / BOILING RANGE 220°F	SOLUBILITY IN WATER Soluble
FLASH POINT 220°F	VISCOSITY NE
FLAMMABLE LIMITS LEL: NA UEL: NA	VAPOR DENSITY (AIR = 1) NE
AUTOIGNITION TEMPERATURE 220°F	EVAPORATION RATE BUTYL ACETATE = 1) NA

SECTION 10 - STABILITY AND REACTIVITY

STABILITY STABLE x **CONDITIONS TO AVOID:**
Avoid exposure to extreme heat. Contents under pressure.

INCOMPATIBILITY (MATERIALS TO AVOID):
Unknown, although finely powdered reactive metals may react with product.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Carbon dioxide, carbon monoxide, various hydrocarbons and small amounts of phosgene.

HAZARDOUS POLYMERIZATION: **CONDITIONS TO AVOID:**
Will not occur. **None related to polymerization.**

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Propylene Glycol USP	57-55-6	Oral, mouse: 20.3 g/kg	NR
	200-338-0		
Specialty Denatured Alcohol (SDA) 40B*	64-17-5	Oral, mouse: 3450 mg/kg (MOST LIKELY LOWER THAN THIS FIGURE)	NR
	200-578-6		

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information is presently available for this blended product. It is however known to be toxic.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:
 Evacuate contents in a safe area (outdoor area are highly recommended), and dispose of container.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: MK3 First Defense Inert Stream
PRODUCT NUMBER(S): 5139 **DATE:** July 31, 2008

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: **ORM-D (North America), Aerosols, n.o.s., UN 1950 (Europe)**
DOT HAZARD CLASS / Pack: **ORM-D** **IATA HAZARD CLASS / Pack Group:** 2.2 / III
REFERENCE: 49CFR **IMDG HAZARD CLASS:** 2.2
UN / NA IDENTIFICATION NUMBER: **ORM-D / 1950** **RID/ADR Dangerous Goods Code:** 2.2
LABEL: **None** **UN TDG Class / Pack Group:** 2.2 / PG III
HAZARD SYMBOLS: **None needed in North America** **Hazard Identification Number (HIN):** **None**



Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **All ingredients listed.**
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):
 Acute Health: **No** Chronic Health: **No**
 Fire: **No** Sudden Release of Pressure: **Yes**
 Reactive: **No**

313 REPORTABLE INGREDIENTS: **None**
CERCLA (USA - Comprehensive Response Compensation and Liability Act): **None listed**
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **None listed**
CCPR (Canadian Controlled Products Regulations): **Listed**
CIDL (Canadian Ingredient Disclosure List): **Listed**
CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): † Listed on NDSL
EINECS (European Inventory of Existing Commercial Chemical Substances): **Referenced.**

WGK Water Quality Index: 1

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
		S2: Keep out of the reach of children. S7: Keep container tightly closed. S16: Keep away from sources of ignition - no smoking. S23.3: Do not breathe spray. S25: Avoid contact with eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 16 - OTHER INFORMATION

Legend			
N/A=Not Applicable	N/D=Not Determined	N/E = Not Established	N/R = Not Reported
HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	1 None	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME

REVISION SUMMARY:
 Revised to GHS/EU protocols 7/31/2008 supersedes 11/01/06 issue. LB

MSDS Prepared by:
 ChemTel Inc.
 1305 North Florida Avenue
 Tampa, Florida USA 33602-2902
 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
 Website: www.chemtelinc.com



The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.