Material Safety Data Sheet

MKY # 8800 FIRST DEFENSE®

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) 5049 - MK4 First Defense Stream

SECTION 1 -						
Manufacturer's Name Defence Tooksology						
Defense Technology Address		Emergeno			· ·	
Postal Box 248		Telephon		00		
City, State, and ZIP		Other				
Casper, Wyoining 82602		Informatio Calls	on (877) 248-3 8	35		
Signature of Person Responsible for Preparation (Optional)		Dato Prepared				
	ODEDIENTS LID	ENTITY	11/01/06			
SECTION 2 - HAZARDOUS IN		ENTITY	Dibas Francisco		ÇAS	
Hazardous Component(s) (chemical & common nar	PEL PEL	ACGIH TLV	Other Exposure Limits	% (optional)	NO.	
*Capsaicinoids	N/A	N/A	N/A	.18%	404-86-	
*Propylene Glycol USP	N/A	N/A	N/A	13%	57-55-	
*Specialty Denatured Alcohol (SDA) 40B	1.000 ppm	1,000 ppm	N/.4	28%	64-17-	
*Desonized H2O	N/A	N/A	N/A_	58%	N/.	
*Nitrogen is the exclusive propullant.						
There are no HCFC's or CFC's						
*U.S. Putent 5,217,708,						
ATATION A PUNCTON A CU	IEMION OUADA	OTEDIATIO				
SECTION 3 - PHYSICAL & CH		CIERISTIC	Vapo			
Boiling Point >220°	Specific Gravity	(H2O = 1) 0.95.		ssure (mm Hé	g) <i>N/A</i>	
Vapor Density (Air = 1)	N/A					
Solubility In Water Soluble	Reactivi Water	/ In None				
Appearance and Odor Creamy / Pungent	Melting Point		N/A			
SECTION 4 - FIRE & EXPLOS						
Flash Method	Flammable Limits	LEL	31//	UEL.		
Auto-Ignition Extinguisher		Lower	N/A	Upper N/A		
Temperature > 220° F. Media Special Fire	Water, Joum, dry chemic	al CO2.				
Fighting Procedures Wear respirator or self-con	stained breathing apparatu	to avoid irritatio	n.			
Unusual Fire and						
Explosion Hazards None.				-		
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QUICK IDENTIFIER Common Name: (used on label and list)

5049 - MK4 First Defense Stream

SECTION 5 - P	HYSICAL	. HAZARDS (REACTIVITY	DATA)			
Stability Unstable Stable	Conditions to Avoid						
Incompatibility (Materials to Avoid)	N/A	-					
			<u> </u>				
Hazardous Decomposition Products	N/A	•					
Hazardous Ma Polymerization Will No	y Óccur t Óœur 🕱	Conditions to Avoid					
SECTION 6 - I	HEALTH	HAZARDS					
1. Acute See Signs and S	Symptoms		2. Chronic	See Signs and Symptom	u		
Signs and Symptoms of Exposure		s may cause Irritation	through all routes o	f entry. Repeated contact			
	Ingestion m	ay cause nausea, von	niting, and/or diarrh	ea			
Medical Conditions Gene Aggravated by Exposure	rally <i>May ca</i> r	ise more severė, temp	orary, effects on tho	se persons who are asthm	atles		
	or suffe	r from emphysema	·				
Chemical Listed as Card or Potential Cardinogen	inogen	National To	xicology Yes	I.A.R.C. Yes Monographs No	ÓSHA Y88 No ⊠		
Emergency and First Aid Procedures	Provide fresh e	ir. Irrigate with cop	ious amounts of cool	water. Obtain medical ac			
· · · · ·							
	1. Inhalation	Provide fresh air.					
ROUTES	2. Еуев		atar at large 15 minut	· · · · · · · · · · · · · · · · · · ·			
OF	3. Skin	Irrigate with cool water at least 15 minutes, or until relieved. Flush with cool water. Wash with mild soap and water.					
ENTRY	4. Ingestion						
SECTION 7	CDECIAL			vater. Obtain medical ad	<u>-</u> _		
SECTION 7 - S	SPECIAL	RECAUTI	JNS AND SP	ILL / LEAK PRO	JCEDURES		
In Handling and Storago	Store in	a cool, dry area. Av	oid direct light and h	leat. Do not expose to ter	nperatures over 120° F.		
Other			· .	·			
Precautions N/A							
Steps to be Taken in Commaterial is Released or	ase Spilled ₩	ipe up small spills wi	th absorbent. With le	urge spills, use respirator	y equipment		
	to	avoid irritation, and	collect with an absor	bent.	·		
Waste Disposal Methods (Consult Fede	eral, State, and	Local Regulations)	Evacuate co	ntents in a safe area, and	dispose of container.		
SECTION 8 - S	SPECIAL	PROTECTIO		TION / CONTRO	1		
Respiratory Protection (Specify Type)		ınder normal conditie					
Ventiletion Yes	Local Exhaus		Mechanical	Special	Other		
Protective Gloves	Exidos	· 18	(General) Eye Protection	To be utilized in a	manufacturing environment In		
Other Protective Clothing or Equipment	Not regulred		and ar		il exposure without protective		
Work/Hygienic Practices	Normal						
IMPODIANT	, , o , mai		еуежеа	<u>r in an officer training en</u>	чи оптені із ассеріаоге.		

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

Material Safety Data Sheet



May be used to comply with OSHA's Hazerd Communication Standard, 29CFR 1910, 1200, Standard must be consulted for specific regulrements.

QUICK IDENTIFIER Common Name: (used on label and list) 5069 - MK6 First Defense Stream

SECTION 1	-							
Manufacturer's								
Defense T	echnólo:	<u>gy</u>			Emergency	,		
	740				Telephone		00	
Postal Box 2 City, State, and ZIP	240				Olher	(000) 424-93		
Casper, Wy	oming 82	602			Information Calls	n (877) 248-38.	35	
Signature of Person Responsible for Prep					Date			
					Prepared	11/01/06		
SECTION 2 -	- HAZ	ARDOUS IN	GRED		NTITY			
Hazardous Compone	nl(s) (che	mical & common na	mc(2))	ÖSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
*Capsaicinoids				N/A	N/A	N/A	.18%	404-86-
*Propylene Glycol U	ISP			N/A		N/A	13%	57 - 55-
*Specialty Denature	d Alcohol	(SDA) 40B		1,000 ррт	1,000 ppm	N/A	28%	64-17
*Deionized H2O				N/A	N/A	N/.4	58%	N/A
*Nitroger	t is the ex	clusive propellant.						
There are	e no HCF	C's or CFC's						
*U.S. Patent 5,217,7	08,							
CECTION	DLIV		IENNO		TEDIOTIO	^		
SECTION 3	- PHY	SICAL & CF	1EIVIIC/		TERISTIC	-		
Point >220°				Specific Gravity (H	20 = 1) 0.955	Vapo Pres	sure (mm Hg) N/A
		Vapor Density (Air = 1)	N/A					
Solubility In Water <i>Soluble</i>				Reactivity Water	In	None		
Appearance and Odor	Ç	reamy / Pungent		Melling Point		N/A	_	
SECTION 4	- FIRE	E & EXPLOS	SION D	ATA	_			
Flash Point >220°	Method Used	SW846-1010	Flamma	ble Limits by Volume	LEL Lower	N/A	UEL Upper N/A	
Auto-ignilion Temperature >220° F.		Extinguisher Medie		foam, dry chemical				
Special Fire Flighting Procedures	Wear re	espirator or self-cor	ntained bre	eathing apparatus t	o avold irritation			
Unusual Fire and Explosion Hazarda	None.							
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		-						

QUICK IDENTIFIER Common Name: (used on label and list)

5069 - MK6 First Defense Stream

SECTION 5 - F	HYSICA	HAZARDS	(REACTIVIT)	(DATA)			
Stability Unstable Stable	Conditions		·				
Incompatibility (Materials to Avoid)	N/A						
Hazardous Decomposition Products	N/A	-					
	y Occur	Conditions to Avoid					
SECTION 6 - I	HEALTH	HAZARDS					
1. Acute See Signs and S	Symptoms		2. Chronic	See Signs and Symptom	7 <i>S</i>		
Signs and Symptoms of Exposure		s may cause irritatio	n through all routes o	of entry. Repeated contac			
	Ingestion n	ay cause nausea, vo	miting, and/or diarrh	ea.			
Medical Conditions Gene Aggravated by Exposure		use more severe, tem	porary, effects on tho	se persons who are asthm	aatics		
	or suffe	r from emphysema					
Chemical Listed as Card or Potential Cardinogen			oxicology Yes	I.A.R.C. Yes Monographs No	OSHA Yes		
Emergency and First Aid Procedures	Provide fresh o	air. Irrigate with cop	pious amounts of cool	water. Obtain medical ad	dvice if symptoms persist.		
	1. Inhalation	Provide fresh air.					
ROUTES	2. Eyes		vater at least 15 minu	res or until relieved			
OF	3. Skin		th cool water at least 15 minutes, or until relieved. cool water. Wash with mild soap and water.				
ENTRY	4. Ingestion			water. Obtain medical ad	luina in adintah		
SECTION 7 -	SPECIAL			PILL / LEAK PRO			
Precautions to be Taker	1,						
In Handling and Storage	Store in	a cool, ary area. A	void direct light and i	heal. Do not expose to ter	mperatures over 120° F.		
Other							
Pregautions N/A							
Steps to be Taken in C	966						
Material is Released or		ipe up small spills w	ith absorbent. With l	arge spills, use respirator	ry equipment		
10 N	to	avoid irritation, and	l collect with an absor	rbent.			
Waste Disposal Methods (Consult Fede	eral, State, and	d Local Regulations) Evacuate co	ontents in a safe area, and	dispose of container.		
SECTION 8 - S	SPECIAL	PROTECTIC		TION / CONTRO			
Respiratory Protection (Specify Type)		ınder normal conditi		110117 0011111	JE MENOONEO		
Ventilation Yes	Local Exhaus		Mechanical (General)	Special	Other		
Protective Gloves			Eye Protection	To he willing in a	manufacturing and an art		
Other Protective	Not require		*		manufacturing environment in		
Clothing or Equipment Work/Hyglenic Practices	Not required				il exposure without protective		
IMPORTANT	Normal		еуежес	ir in an officer training en	vironment is acceptable.		
IMPORTANT							

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