SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
PRODUCT NAME: Distraction Device® (N PRODUCT NUMBER: 8901NR	Non-reloadable) DATE: February 2, 2012				
TRADE NAME: Distraction Device® (Non-reloadable)					
GENERAL USE: Distraction Device					
CHEMICAL FAMILY: Fuze/Charge/ Flash Agent	DEFENSE TECHNOLOGY				
PRODUCT DESCRIPTION:					
Canister containing fuze & powder.					
MANUFACTURED FOR:	DATE PREPARED: February 2, 2012				
Safariland, LLC	SUPERSEDES: New Issue				
ADDRESS (NUMBER, STREET, P.O. BOX)	TELEPHONE NUMBER FOR INFORMATION / Customer Care				
13386 International Parkway	800-347-1200				
(CITY, STATE AND ZIP CODE) COUNTRY	CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER				
Jacksonville, FL 32218 USA	ChemTel         1-800-255-3924         01-813-248-0585           North America Toll Free         International				
SECTION 2 - F	HAZARDS IDENTIFICATION				
EMERGENCY OVERVIEW					
Oxides of Nitrogen, Carbon, and Sulfur may be formed amounts of metal oxides and metal fumes are generate generally slight.	dual cartridges may ignite if the unit is exposed to extreme heat. d. Chemicals in unused product pose no exposure hazards; small ed during deployment; the hazards from single exposures are				
POTENTIAL HEALTH EFFECTS					
INHALATION:					
	hazards. While particles from deployed product may be an inhalation hazard, en the product is used, particles and vapors may be generated which may				
SKIN:					
Possible temporary skin irritation may occur if internal contents of device come in contact with the skin or if vapors from detonated device contact skin.					
EYES:					
Irritation may occur if contents of unused device come in contact with eyes. Some temporary irritation may occur if particles generated during deployment lodge in the eye.					
INGESTION:					
Ingestion of deployed product is highly unlikely. Components of unused product are toxic and will cause irritation to throat and gastro- intestinal tract.					
CARCINOGENICITY:					
(ESIS Notation), and the State of California (Proposition 65).	h are considered carcinogenic by the IARC, the NTP, OSHA, the ECHA . Product also contains carbon black, which is listed by the IARC and the sk in handling the unused product, and pose only a very slight risk in normal				

PRODUCT NAME: PRODUCT NUMBER:	Distraction De 8901NR	Distraction Device® (Non-reloadable) 8901NR			oruary 2, 2012	
SECTION 3 - HAZARDOUS INGREDIENTS						
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)	
Barium Chromate	NR	10294-40-3	233-660-5	Т	None	
Manganese Powder	NR	7439-96-5	231-105-1	None	None	
Lead Chromate	NR	7758-97-6	231-846-0	T,N	R33,R40,R50/53,R62	
Nitrocellulose	NR	9004-70-0	NR	E	NR	
Red Iron Oxide	NR	1309-37-1	215-168-2	None	None	
Titanium Powder	NR	7440-32-6	231-142-3	None	None	
Zirconium Powder	NR	7440-67-7	231-176-9	F	R15,R17	
Potassium perchlorate	NR	7778-74-7	231-912-9	Xn, O	R9, R22	
Potassium nitrate	NR	7757-79-1	231-818-8	Xn, O	R8, R36/37/38	
Sulfur	100	7704-34-9	231-722-6	F, Xi	R11, 36/37/38	
Charcoal	NR	16291-96-6	240-383-3	None	None	
Rosin	NR	8050-09-7	232-475-7	Xi	R43	
Graphite	NR	7782-42-5	231-955-3	None	None	
Aluminum Powder	NR	7429-90-5	231-072-3	F	R15,R17	
Magnesium Powder	NR	7439-95-4	231-104-6	F	R11, R15	

**NOTES:** This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1907/2006 (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 1907/2006 and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

### SECTION 4 - FIRST AID MEASURES

#### INHALATION:

For symptoms of lung irritation occur (coughing, wheezing or breathing difficulty), remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep affected person warm and at rest. Get medical attention.

#### EYES:

Remove contact lenses, then wash for 15 minutes with clean potable water lifting upper and lower lids occasionally. Seek medical attention if irritation persists.

#### SKIN:

Wash with plenty of soap and water. Seek medical attention if delayed dermatitis develops. For contact with burning (ignited) particles, medical treatment may be needed for thermal burns.

#### INGESTION:

**Contact medical authorities immediately. Do not induce vomiting unless directed to do so by medical personnel.** If vomiting occurs naturally, have victim lean forward to avoid aspiration of regurgitant. Give 1-2 glasses of water to victim if victim is conscious and able to swallow and seek immediate medical assistance. Never give anything by mouth to an unconscious person.

PRODUCT NAME: PRODUCT NUMBER:	Distraction E 8901NR	evice® (Non-relo	adable)	DATE:	February 2, 2012
		ION 5 - FIRE F	GHTING MEASU		
GENERAL HAZARDS:	0201				
Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions. Individual devices will randomly explode. Will not mass explode if multiple devices are involved. Burning material may produce toxic and irritating vapors. Shrapnel may be thrown from exploding devices under containment. See 2008 Emergency response Guidebook for further information.					
EXTINGUISHING MEDIA:					
Flood area with water. If no water and let fire burn.		arbon dioxide, dry cł	nemical or earth may b	be used. If the fir	re reaches the cargo, withdraw
FIRE FIGHTING PROCEDURES:					
In case of fire, use normal fire figh this product as explosive. Quarant	tine area for a	least 1500 feet from		-	the physical characteristic of
UNUSUAL FIRE AND EXPLOSIO					
If fire reaches cargo, do not fight; area for 1500 feet (1/3 mile) in all		Sine to sale distant	e. Evacuate all perso	ons, including en	nergency responders from the
HAZARDOUS COMBUSTION PR					
Metal Compounds, Carbon Monox	kide, Carbon D	vioxide, Nitrous Oxid	es, Various complex o	xides of metals	, Nitrogen.
	SECTION	6 - ACCIDENTA	L RELEASE ME	ASURES	
STEPS TO BE TAKEN IN CASE I	MATERIAL IS	RELEASED OR SP	LLED:		
FOR ALL TRANSPORTATION A Do not subject materials to mecha capabilities.					
•	SEC	TON 7 - HANDL	ING AND STOR	AGE	
PRECAUTIONS TO BE TAKEN IN				-	
HANDLING: Canister may detona	te or burn if ca	se is punctured or s	everely damaged.		
STORAGE: Avoid storage near ex CONDITIONS TO AVOID: Mecha				EM fields (radar	stations).
SECTI	ON 8-EXF	OSURE CONT	ROLS / PERSONA	L PROTECT	TION
Hazardous Components	CAS #		GIH re Limits	E	OSHA Exposure Limits
Barium Chromate	10294-40-3	0.5 n	ng/m3		0.5 mg/m3
Manganese Powder	7439-96-5	0.2 n	ng/m3	5	mg/m3 (Ceiling)
Lead Chromate (a)(b)	7758-97-6	•	as Chromium / n3 as Lead	0.1 mg	/m3 (Ceiling as CrO3)
Nitrocellulose	9004-70-0	Ν	E		NE
Red Iron Oxide	1309-37-1	5 mg/m3	respirable		10 mg/m3
Titanium Powder	7440-32-6	Ν	E		NE
Zirconium Powder	7440-67-7	5 mg/m3	(NIOSH)		5 mg/m3
Potassium perchlorate	7778-74-7	Ν	E		NE
Potassium nitrate	7757-79-1	Ν	E		NE
Sulfur	7704-34-9	15 m	g/m3		15 mg/m3
Charcoal	16291-96-6		E		NE
Rosin	8050-09-7	Sensitizer - as	low as possible		NE
Graphite	7782-42-5	2 mg/m3 (	respirable)		NE
Aluminum Powder	7429-90-5	1.0mg/m3	(respirable)	5m	ng/m3 (respirable)
Magnesium Powder	7439-95-4	N	E		NE
(a) - OSHA 30 aeg/M3 Action Level as Lead. Poison-see (29CFR 1910.10-25) (listed under Lead, inorganic compounds). (b)  - NIOSH Recommended Exposure Limit (REL):  As Pb: < 0.1 mg/m3 (TWA); As Cr: 0.001 mg/m3 (TWA).					

PRODUCT NAME: PRODUCT NUMBER:	Distraction Device®				
	8901NR	DATE: February 2, 2012			
		ITROLS / PERSONAL PROTECTION Continued			
PERSONAL PROTECTI RESPIRATORY PROTECTIC					
		eployment conditions; consult manufacturer for further guidance.			
PROTECTIVE GLOVES:					
	nused product: where possibl	le, use protective gloves for handling spent grenades.			
EYE PROTECTION:					
Safety glasses with side shiel	lds or face shield strongly sug	ggested.			
OTHER PROTECTIVE CLOT	HING OR EQUIPMENT:				
		charged indoors. Hearing protection is recommended with all products			
containing an explosive charg WORK / HYGIENIC PRACTIO					
		(/SMOKE WHILE HANDLING PRODUCT!!!			
Avoid breathing futties from it	-	CAL AND CHEMICAL PROPERTIES			
	SECTION 9-PHISIC				
DESCRIPTION:					
Canister containing fuze & po	wder.	Not applicable.			
рН		SPECIFIC GRAVITY (WATER = 1)			
Not applicable.		Not applicable			
MELTING POINT		SOLUBILITY IN WATER			
Not applicable.		Insoluble - some components are soluble in water			
FLASH POINT		VISCOSITY			
Not applicable.		Not applicable			
FLAMMABLE LIMITS	EXPLOSIVE!!	VAPOR DENSITY (AIR = 1)			
LEL: None l	UEL: None	Not applicable.			
AUTOIGNITION TEMPERAT	URE	EVAPORATION RATE (WATER = 1)			
NR		Not applicable.			
VOLATILE ORGANIC COMP	OUND (VOC) INFORMATIO	N			
Not applicable.					
NOTES: None					
	SECTION 10-	STABILITY AND REACTIVITY			
STABILITY:		CONDITIONS TO AVOID:			
Stable under normal tempera	tures and pressure.	Cartridge may detonate if case is punctured or severely damaged.			
INCOMPATIBILITY (MATERI					
Acids, Class A & B explosives	,	tice			
HAZARDOUS DECOMPOSIT		105.			
Nitrogen oxides, carbon mono		avida laad duct/fuma			
HAZARDOUS POLYMERIZA		CONDITIONS TO AVOID:			
	TION.				
Will not occur.		None related to polymerization.			
		OXICOLOGICAL INFORMATION			
		Complete Product			
Oral LD <sub>50</sub>		or unused product may cause serious harm.			
Dermal LD <sub>50</sub>		Expected to be mildly irritating.			
Inhalation LC <sub>50</sub>	Not applicable for produ	Not applicable for product. Particles and vapors generated from use will be irritating.			
Irritation	Not a skin or eye irritant in unused form. Particulate dusts and gases from used product will be				
	irritating to eyes and mil	irritating to eyes and mildly irritating to skin.			

PRODUCT NAME: Distraction Device® (Non-reloadable) PRODUCT NUMBER: 8901NR DATE: February 2, 2012					
			February 2, 2012		
SECTION 11 - TOXICOLOGICAL INFORMATION Continued Product Components					
		-	LC50 of Ingredient		
Hazardous Components	CAS #	LD50 of Ingredient (Oral, Rat - unless otherwise specified)	(Inhalation, Rat - unless otherwise specified)		
Barium Chromate	10294-40-3	Not Established	Not Established		
Manganese Powder	7439-96-5	9 gm/kg	Not Established		
Lead Chromate	7758-97-6	> 12 g/kg (oral, mouse)	Not Established		
Nitrocellulose	9004-70-0	> 5 g/kg	Not Established		
Red Iron Oxide	1309-37-1	Not Established	Not Established		
Potassium Nitrate	7757-79-1	3450 mg/kg	Not Established		
Potassium Perchlorate	7778-74-7	Not Established	Not Established		
Titanium Powder	7440-32-6	Not Established	Not Established		
Zirconium Powder	7440-67-7	Not Established	Not Established		
Potassium perchlorate	7778-74-7	Not Established	Not Established		
Potassium nitrate	7757-79-1	3750 mg/kg	Not Established		
Sulfur	7704-34-9	> 8437 mg/kg	Not Established		
Charcoal	16291-96-6	Not Established	Not Established		
Rosin	8050-09-7	3.0 mg/kg	110 mg/m3		
Graphite	7782-42-5	Not Established	Not Established		
Aluminum Powder	7429-90-5	Not Established	Not Established		
Magnesium Powder	7429-90-5	Not Established	Not Established		
-	SECTION 12 - E	COLOGICAL INFORMATION			
and careful disposal of spent carti ecosystems.		ead and chromium are especially proble	matic when introduced into many		
WASTE DISPOSAL METHOD:	SECTION 13 - DI	SPOSAL CONSIDERATIONS			
	connacibility to dispose of	unused material, residues and container	s in compliance with all relevant		
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous. Damaged materials pose a danger to anyone in the immediate area; consult experts for disposal of damaged products.					
		RANSPORT INFORMATION			
PROPER SHIPPING NAME:	Grenades, Practice, UN045				
DOT HAZARD CLASS / Pack Group:	•	IATA HAZARD CLASS / Pack Group: 1.4G /	II 75kg max, Cargo Aricraft Only		
REFERENCE: 49CFR		IMDG HAZARD CLASS: 1.4G, II			
UN / NA IDENTIFICATION NUMBER		RID/ADR Dangerous Goods Code:	1.4G,II		
LABEL: Explosive, CAO		UN TDG Class / Pack Group:	I.4G/II		
HAZARD SYMBOLS: Hazard Identification Number (HIN): NA					
1.4 G					
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.					

PRODUCT NA PRODUCT NU		Distraction Device® 8901NR	(Non-reloadable)	DATE:	February 2, 2012
		SECTION 15 -	REGULATORY I	NFORMATION	
TSCA (USA -	Toxic Substance C	ontrol Act): Componen	ts are listed under Se	ction8b.	
SARA TITLE	III (USA - Superf	und Amendments and	d Reauthorization Ac	t):	
Acı	ite Health:	YES	Chron	ic Health:	YES
Fire	):	YES	Sudde	en Release of Pressure	e: YES
Rea	active:	NO			
SARA 313 REF	PORTABLE INGRE	DIENTS: Copper, Zin	c (fume or dust), Lead	l, Chromium	
lbs. : Chromiu or exceeds 10	ım, R.Q. = 5000 lb	s. : Lead, R.Q. = 100 lb 004 inches). Nitrates,	os. (No reporting is re	quired if diameter of th	kide, Manganese R.Q. = 10000 e pieces of metal is equal to re CERCLA reportable,
Barium chrom WARNING: Th	ate listed as `Chr	omium (VI) compound	ls', chemicals known ed as `Lead, inorgani	to the state of Californ	contains Lead chromate and ia to cause cancer. ical known to the State of
State Right To <b>RI.</b>	Know Laws: <b>This p</b>	product contains chen	nicals listed on the Ri	ght-to-Know Laws of C	A, FL, MA, MI, MN, NJ, PA, &
CPR (Canadia	In Controlled Produ	cts Regulations):	Exempt under WH	MIS regulations as exp	blosive.
IDL (Canadian	Ingredient Disclos	ure List): Compon	ents are listed in Sec	tion 2.	
DSL/NDSL (	Canadian Domestic	Substances List / Non-	Domestic Substances	List): Listed or exempt	on both CDSL and NDSL.
EINECS (Euro	pean Inventory of	Existing Commercial Ch	nemical Substances):	Referenced	
WGK Water Qu	uality Index:	NA for product.			
EUROPEAN (C	GHS) HAZARD SYI	MBOLS			
			<		
EU RISK PHR/	ASES				
R20/22: Harmf R33: Danger o R50/53: Very t R61: May caus	ful by inhalation a of cumulative effect	cts. ganisms, may cause I born child.	-	ects in the aquatic envi	ronment.
EU SAFETY P	HRASES				
S45: In case o S53: Avoid ex	f accident or if yo posure — obtain s	f the reach of children u feel unwell, seek me special instructions be iner must be disposed	edical advice immedia efore use.	tely (show the label wh	nere possible).

PRODUCT NAME: PRODUCT NUMBER:	Distraction Device® (Non-reload 8901NR	iadie)	DATE:	February 2, 2012
	SECTION 16 - OTHE	R INFORMATIO		
HMIS HAZARD RATINGS				
	HEALTH:		2	0 = INSIGNIFICANT
	FLAMMABILITY:		3	1 = SLIGHT
	PHYSICAL HAZARD:		2	2 = MODERATE
	Personal Protective Equipm	nent: E		3 = HIGH
Legend:			1	4 = EXTREME
ACGIH - American Congress o EINECS- European Inventory o HMIS - Hazardous Materials NA - Not Available , ND -	Occupational Safety and Health, NT	ubstances rnational Agency f stablished, NR -	for Researc Not Rep	ch on Cancer ported
explosion by shock, friction, fire may cause fire. R9 Explosive wh flammable gases. R17 Spontane Harmful if swallowed. R23/24/25	hen dry. R2 Risk of explosion by shoc or other sources of ignition. R5 Heatin en mixed with combustible material. R ously flammable in air. R20 Harmful b Toxic by inhalation, in contact with sk s. R36 Irritating to eyes. R36/37/38 Irri	ng may cause an ex 11 Highly flammab y inhalation. R20/2: in and if swallowed.	plosion. R8 le. R15 Con 2 Harmful by . R23/25 To	Contact with combustible material ntact with water liberates extremely y inhalation and if swallowed. R22 pxic by inhalation and if swallowed.
danger of serious damage to hea aquatic organisms, may cause lo term adverse effects in the aqua	ogenic effect. R43 May cause sensitize alth by prolonged exposure if swallowed ong-term adverse effects in the aquatic tic environment.R61 May cause harm skin dryness or cracking. R67 Vapors in	ed. R50 Very toxic to environment. R51/ to the unborn child.	o aquatic or /53 Toxic to . R62 Possik	rganisms. R50/53 Very toxic to aquatic organisms, may cause lon- ble risk of impaired fertility. R66
REVISION SUMMARY:	New Issue 2/2/2012.			
MSDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-290 Toll Free North America 1-888-2 Website: www.chemtelinc.com	255-3924 Intl. +01 813-248-0573			
by the manufacturer of the product a information is current, applicable and proximately caused by the material responsibility for injury caused by abn	believed to be accurate but is not warran and manufacturers of the components of th suited to the circumstances of use. Vence if reasonable safety procedures are not adh ormal use of this material even if reasonab rer of the product as described in Section 1	he product. Users ar lor assumes no respo hered to as stipulated le safety procedures	re advised to onsibility for inj in the data sh	confirm in advance of need that njury to vendee or third persons heet. Furthermore, vendor assumes no