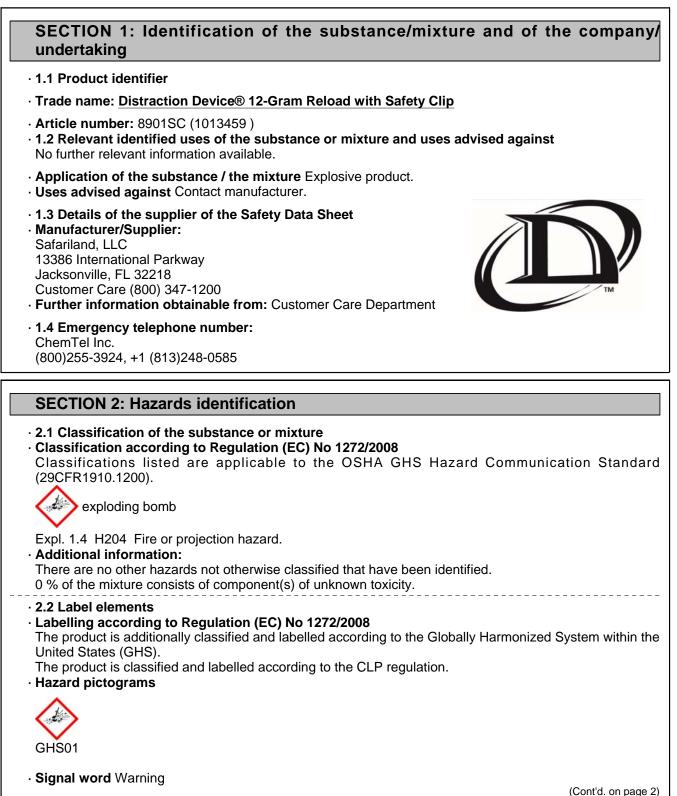
Printing date July 30, 2015

Revision: July 30, 2015



Printing date July 30, 2015

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip (Cont'd. from page 1) Hazard statements H204 Fire or projection hazard. · Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P250 Do not subject to grinding/shock/friction. P280 Wear protective gloves/protective clothing/eye protection/face protection. DO NOT fight fire when fire reaches explosives. P373 P370+P380 In case of fire: Evacuate area. P372 Explosion risk in case of fire. P401 Store in accordance with local/regional/national/international regulations. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. · Additional information: Contains lead. Should not be used on surfaces liable to be chewed or sucked by children. Can become highly flammable in use. · NFPA ratings (scale 0 - 4) Health = 1Fire = 0Reactivity = 3· HMIS-ratings (scale 0 - 4) HEALTH 1 Health = 1 • Fire = 0 Reactivity 3 Reactivity = 3 · 2.3 Other hazards Results of PBT and vPvB assessment · **PBT:** Not applicable. • **vPvB:** Not applicable. Explosive Product Notice PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES - The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that he is dealing with a powerful force and that various devices and methods have been developed to assist him in directing this force. He should realize that this force, if misdirected, may either kill or injure both him and his fellow workers. WARNING - All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, DO NOT USE IT before consulting with your supervisor,

or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, he

should consult the manufacturer before use.

(Cont'd. on page 3)

Printing date July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

Revision: July 30, 2015

(Cont'd. from page 2)

3.2 Mixtures Description: Mixture of subs	tances listed below with nonhazardous additions.	
Dangerous components:		
CAS: 7778-74-7 EINECS: 231-912-9 Index number: 017-008-00-5	potassium perchlorate Ox. Sol. 1, H271 Acute Tox. 4, H302	25-50%
CAS: 7429-90-5 EINECS: 231-072-3 Index number: 013-001-00-6	aluminium powder (pyrophoric) Pyr. Sol. 1, H250; Water-react. 2, H261	25-50%
CAS: 7439-95-4 EINECS: 231-104-6 Index number: 012-001-00-3	magnesium powder (pyrophoric) Pyr. Sol. 1, H250; Water-react. 1, H260	10-25%
CAS: 7440-50-8 EINECS: 231-159-6	copper substance with a Community workplace exposure limit	2,5-10%
CAS: 7440-66-6	zinc metal Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤ 2,5%
CAS: 3811-04-9 EINECS: 223-289-7 Index number: 017-004-00-3	potassium chlorate Ox. Sol. 1, H271 Aquatic Chronic 2, H411 Acute Tox. 4, H302; Acute Tox. 4, H332	≤ 2,5%
CAS: 592-87-0 EINECS: 209-774-6 Index number: 082-001-00-6	lead dithiocyanate Carc. 1B, H350; Repr. 1A, H360Df; STOT RE 2, H373 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Acute Tox. 4, H302; Acute Tox. 4, H332	≤ 2,5%
CAS: 10294-40-3 EINECS: 233-660-5 Index number: 056-002-00-7	barium chromate Carc. 1A, H350 Acute Tox. 4, H302; Acute Tox. 4, H332	≤ 2,5%

For the listed ingredient(s), the identity and exact percentages are being withheld as a trade secret.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information:

This is a sealed unit that will not result in exposure to the contents under normal and reaonsable conditions of use. In the unlikely event of exposure to contents, appropriate first aid should be administered.

Immediately remove any clothing soiled by the product.

· After inhalation:

Unlikely route of exposure.

Supply fresh air; consult doctor in case of complaints.

(Cont'd. on page 4)

Printing date July 30, 2015

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

(Cont'd. from page 3)

· After skin contact: Generally the product does not irritate the skin. Wash with soap and water.

If skin irritation is experienced, consult a doctor.

· After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing:
 - Unlikely route of exposure.

Do not induce vomiting; call for medical help immediately.

• 4.2 Most important symptoms and effects, both acute and delayed Blast injury if mishandled.

- · Hazards Danger of blast or crush-type injuries.
- 4.3 Indication of any immediate medical attention and special treatment needed Product may produce physical injury if mishandled. Treatment of these injuries should be based on the blast and compression effects.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: DO NOT fight fire when fire reaches explosives. Use fire extinguishing methods suitable to surrounding conditions.
- · For safety reasons unsuitable extinguishing agents: None.
- · 5.2 Special hazards arising from the substance or mixture Product may explode if burned in confined space. Individual cartridges may explode. Mass explosion of many cartridges at once is unlikely.
- · 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.
- · Additional information

Eliminate all ignition sources if safe to do so.

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. In unusual cases, shrapnel may be thrown from exploding devices under containment. See 2008 Emergency response Guidebook for further information.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTEL AT 1-800-255-3924. Spills of this material should be handled carefully. Do not subject materials to mechanical shock or extreme heat. A spill of this material will normally not require emergency response team capabilities. Remove persons from danger area. Ensure adequate ventilation Wear protective clothing.

(Cont'd. on page 5)

Printing date July 30, 2015

Protect from heat.

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

(Cont'd. from page 4)

Isolate area and prevent access. · 6.2 Environmental precautions: No special measures required. · 6.3 Methods and material for containment and cleaning up: Pick up mechanically. Send for recovery or disposal in suitable receptacles. · 6.4 Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. **SECTION 7: Handling and storage** · 7.1 Precautions for safe handling Handle with care. Avoid jolting, friction and impact. Use only in well ventilated areas. Do not subject to grinding/shock/friction. · Information about fire - and explosion protection: Protect from heat. Emergency cooling must be available in case of nearby fire. · 7.2 Conditions for safe storage, including any incompatibilities · Storage: · Requirements to be met by storerooms and receptacles: Store in a cool location. · Information about storage in one common storage facility: Store away from foodstuffs. Store away from flammable substances. · Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Keep away from heat. · 7.3 Specific end use(s) No further relevant information available. **SECTION 8: Exposure controls/personal protection**

• Additional information about design of technical facilities: No further data; see section 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:		
7429-90-5 aluminium powder (pyrophoric)		
PEL (USA)	Long-term value: 15*; 15** mg/m ³ *Total dust; ** Respirable fraction	
REL (USA)	Long-term value: 10* 5** mg/m ³ as Al*Total dust**Respirable/pyro powd./welding f.	
TLV (USA)	Long-term value: 1* mg/m ³ as Al; *as respirable fraction	
	(Cont'd. on page 6)	

Printing date July 30, 2015

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

		(Cont'd. from page 5)
EL (Canada)	Long-term value: 1,0 mg/m ³ respirable, as Al	
EV (Canada)	Long-term value: 5 mg/m³ aluminium-containing (as aluminium)	
7440-50-8 co	pper	
PEL (USA)	PEL (USA) Long-term value: 1* 0,1** mg/m ³ as Cu *dusts and mists **fume	
REL (USA)	Long-term value: 1* 0,1** mg/m ³ as Cu *dusts and mists **fume	
TLV (USA)	Long-term value: 1* 0,2** mg/m³ *dusts and mists; **fume; as Cu	
EL (Canada)	Long-term value: 1* 0,2** mg/m³ *dusts and mists; **fume, as Cu	
EV (Canada)	Long-term value: 0,2* 1** mg/m³ as copper, *fume;**dust and mists	
592-87-0 lead	I dithiocyanate	
PEL (USA)	Long-term value: 5 mg/m ³ as CN; Skin	
EV (Canada)	Long-term value: 0,05 mg/m³ as Pb, Skin (organic compounds)	
10294-40-3 b	arium chromate	
PEL (USA)	Long-term value: 0,005* mg/m ³ Ceiling limit: 0,1** mg/m ³ *as Cr(VI) **as CrO3; see 29 CFR 1910,1026	
REL (USA)	Long-term value: 0,0002 mg/m³ as Cr; See Pocket Guide Apps. A and C	
TLV (USA)	Long-term value: 0,01 mg/m³ as Cr	
EL (Canada)	Long-term value: 0,01 mg/m³ as Cr; ACGIH A1, IARC 1	
	rther relevant information available. rther relevant information available.	
· Ingredients v	vith biological limit values:	
	arium chromate	
Ti	5 µg/L edium: urine me: end of shift at end of workweek arameter: Total chromium (fume)	
M Ti) μg/L edium: urine me: increase during shift arameter: Total chromium (fume)	
		(Cont'd. on page 7)

Printing date July 30, 2015

Revision: July 30, 2015

rade name: Distraction Device® 12-0	Gram Reload with Safety Clip	
		(Cont'd. from page 6
· Additional information: No further	relevant information available.	
· 8.2 Exposure controls		
· Personal protective equipment:		
· General protective and hygienic r		
	are to be adhered to when handling chemica	als.
Keep away from foodstuffs, beverag	ges and feed.	
Immediately remove all soiled and of Wash hands before breaks and at the		
• Respiratory protection:		
Not required under normal condition	ns of use.	
	European EN149 vapor respirators when c	leploying product in large
quantities.		
Protection of hands:		EN 222
	nst mechanical hazards according to NIOSH	or EN 388.
Material of gloves The selection of the suitable glove	s does not only depend on the material, bu	t also on further marks o
	turer to manufacturer. As the product is	
	ove material can not be calculated in advance	
checked prior to the application.		
Penetration time of glove materia		
	b be found out by the manufacturer of the pr	otective gloves and has to
be observed.		
· Eye protection:		
Safety glasses		
· Body protection: Protective work of	lothing	
· Limitation and supervision of exp		
No further relevant information avail	lable.	
Risk management measures	the state of the	
Organizational measures should be	in place for all activities involving this produ-	ct.
SECTION 9: Physical and ch	nemical properties	
· 9.1 Information on basic physical	and chemical properties	
· General Information	· · · · · · · · · · · · · · · · · · ·	
· Appearance:		
Form:	Solid material	
Colour:	According to product specification	
· Odour:	Odourless Not determined	
· Odour threshold:	Not determined.	
· pH-value:	Not applicable.	
· Change in condition		
 Change in condition Melting point/Melting range: 	Not Determined.	(Cont'd. on page 8

Printing date July 30, 2015

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

	(Cont'd. from page 7)
Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Fire or projection hazard.
· Auto/Self-ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Self-igniting:	Product is not self-igniting.
· Danger of explosion:	Heating may cause an explosion.
 Explosion limits: Lower: Upper: Oxidising properties 	Not determined. Not determined. Contains oxidizing agent.
· Vapour pressure:	Not determined.
 Density: Relative density Vapour density Evaporation rate 	Not determined. Not determined. Not applicable. Not applicable.
 Solubility in / Miscibility with water: 	Variable, dependent upon product composition and packaging.
· Partition coefficient (n-octanol/water)	: Not determined.
 Viscosity: Dynamic: Kinematic: 9.2 Other information 	Not applicable. Not applicable. No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

- 10.3 Possibility of hazardous reactions
- Fire or projection hazard.
- Toxic fumes may be released if heated above the decomposition point.
- 10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Leadoxide vapour

(Cont'd. on page 9)

Printing date July 30, 2015

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

(Cont'd. from page 8)

SECTION 11: Toxicological information

11.1 Information on toxicological effects This is a packaged product that will not result in exposure to the

This is a packaged product that will not result in exposure to the contents under normal conditions of use. In the event of exposure, administer first aid appropriate for symptoms present.

· Acute toxicity

· LD/LC50 values relevant for classification:

7758-97-6 lead chromate

Oral LD50 12000 mg/kg (mouse)

- Primary irritant effect:
- Skin corrosion/irritation

Not a skin irritant in unused form. Vapors/particles from used product are possibly irritating to skin. • Serious eye damage/irritation

- Not an eye irritant in unused form. Vapors/particles from used product are possibly irritating to eyes.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Additional toxicological information:

Normal handling of the undeployed product poses little or no health hazards, One should avoid inhalation by wearing appropriate respiratory protection when exposed to the chemical ingredients of the product above listed TLV's or when exposed to the post ignition by-products. This product is a cansister which contains the various components completely sealed within. Therefore, under normal handling of this product, no exposure to any harmful materials will occur. When the product is used, particles may be generated which may be irritating to the eyes and the respiratory tract.

- Acute effects (acute toxicity, irritation and corrosivity): Danger of blast or crush-type injuries.
- · Repeated dose toxicity: No further relevant information available.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):
- · Germ cell mutagenicity

Based on available data, the classification criteria are not met.

· Carcinogenicity

Based on available data, the classification criteria are not met.

- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- STOT-single exposure
 Based on available data, the classification criteria are not met.
 STOT-repeated exposure
- STOT-repeated exposure
- Based on available data, the classification criteria are not met. • Aspiration hazard
- Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- 12.3 Bioaccumulative potential May be accumulated in organism
- 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:

· General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

The product contains heavy metals. Avoid transfer into the environment. Specific preliminary treatments are necessary

(Cont'd. on page 10)

Printing date July 30, 2015

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

· 12.5 Results of PBT and vPvB assessment

• **PBT:** Not applicable.

· vPvB: Not applicable.

• 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. 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.

- Recommendation: Disposal must be made according to local official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information	on
 14.1 UN-Number DOT, ADR, IMDG, IATA 14.2 UN proper shipping name DOT ADR IMDG, IATA 14.3 Transport hazard class(es) DOT 	UN0452 Grenades, Practice 0452 GRENADES, PRACTICE GRENADES, PRACTICE
· Class · Label · ADR	1.4 1.4
· Class · Label	1.4 (-) 1.4G
· IMDG, IATA	
· Class · Label	1.4 1.4G (Cont'd. on page 11)

(Cont'd. from page 9)

[·] Uncleaned packaging:

Printing date July 30, 2015

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip (Cont'd. from page 10) · 14.4 Packing group · DOT, ADR, IMDG, IATA Ш · 14.5 Environmental hazards: · Special marking (IATA): Prohibited from Transport in Passenger Aircraft. Cargo Aircraft Only. · 14.6 Special precautions for user Not applicable. F-B,S-X · EMS Number: · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable. · Transport/Additional information: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ · ADR · Limited quantities (LQ) 0 • Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity · Transport category 2 • Tunnel restriction code Е · UN "Model Regulation": UN0452, Grenades, Practice, 1.4, II

SECTION 15: Regulatory information

 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA) SARA 		
· Section 355 (extremely hazardous substances):		
None of the ingredients are listed.		
· Section 313 (Specific toxic chemical listings):		
7429-90-5 aluminium powder (pyrophoric)		
7440-50-8 copper		
7440-66-6 zinc metal		
TSCA (Toxic Substances Control Act):		
All ingredients are listed.		
· Proposition 65 (California):		
· Chemicals known to cause cancer:		
592-87-0 lead dithiocyanate		
10294-40-3 barium chromate		
7758-97-6 lead chromate		
· Chemicals known to cause reproductive toxicity for females:		
10294-40-3 barium chromate		
7758-97-6 lead chromate		
(Cont'd. on page 12)		

Revision: July 30, 2015

Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

Printing date July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

(Cont'd. from page 11) · Chemicals known to cause reproductive toxicity for males: 10294-40-3 barium chromate 7758-97-6 lead chromate · Chemicals known to cause developmental toxicity: 10294-40-3 barium chromate 7758-97-6 lead chromate · Carcinogenic Categories · EPA (Environmental Protection Agency) 7778-74-7 potassium perchlorate NL 7440-50-8 copper D 7440-66-6 zinc metal D, I, II 10294-40-3 barium chromate A(inh), D(oral), K/L(inh), CBD(oral) · IARC (International Agency for Research on Cancer) 10294-40-3 barium chromate 1 · TLV (Threshold Limit Value established by ACGIH) 7429-90-5 aluminium powder (pyrophoric) A4 10294-40-3 barium chromate A1 · NIOSH-Ca (National Institute for Occupational Safety and Health) 10294-40-3 barium chromate · Canada · Canadian Domestic Substances List (DSL) All ingredients are listed. Canadian Ingredient Disclosure list (limit 0.1%) 10294-40-3 barium chromate · Canadian Ingredient Disclosure list (limit 1%) 7429-90-5 aluminium powder (pyrophoric) 7440-50-8 copper · Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients are listed. None of the ingredients are listed. · Other regulations, limitations and prohibitive regulations This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Substances of very high concern (SVHC) according to REACH, Article 57 None of the ingredients are listed. (Cont'd, on page 13)

Printing date July 30, 2015

Revision: July 30, 2015

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

(Cont'd. from page 12)

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. · Relevant phrases Catches fire spontaneously if exposed to air. H250 H260 In contact with water releases flammable gases which may ignite spontaneously. H261 In contact with water releases flammable gases. May cause fire or explosion; strong oxidiser. H271 H302 Harmful if swallowed. H332 Harmful if inhaled. May cause cancer. H350 H360Df May damage the unborn child. Suspected of damaging fertility. May cause damage to organs through prolonged or repeated exposure. H373 H400 Verv toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Expl. 1.4: Explosives, Division 1.4 Pyr. Sol. 1: Pyorphoric Solids, Hazard Category 1 Water-react. 1: Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 1 Water-react. 2: Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 2 Ox. Sol. 1: Oxidising Solids, Hazard Category 1 Acute Tox. 4: Acute toxicity, Hazard Category 4 Carc. 1A: Carcinogenicity, Hazard Category 1A Carc. 1B: Carcinogenicity, Hazard Category 1B Repr. 1A: Reproductive toxicity, Hazard Category 1A STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1 (Cont'd. on page 14)

Printing date July 30, 2015

Revision: July 30, 2015

(Cont'd. from page 13)

Trade name: Distraction Device® 12-Gram Reload with Safety Clip

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2 • Sources SDS 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