

GHS

Printing date 26.09.2014

Revision: 24 09 2014

Printing date 26.09.2	2014	Revision: 24.09.2014
SECTION 1 undertaking	: Identification of the substance/mixtur	e and of the company/
· 1.1 Product ide	entifier	
· Trade name: <u>1</u> 2	2 GA CS Powder Barricade	
	r: 3092 Ientified uses of the substance or mixture and uses ad ant information available.	lvised against
· Application of	the substance / the mixture Explosive product.	
 Manufacturer/S Safariland, LLC 13386 Internation Jacksonville, FL Customer Care 	onal Parkway _ 32218	
ChemTel Inc.	/ telephone number: +1 (813)248-0585	
	Hazards identification	
Classification a The following I regulation: H412	ion of the substance or mixture according to Regulation (EC) No 1272/2008 Hazard Statements are applicable only to the EU reg 2. ng bomb	gulations and not the US GHS
Expl. 1.4	H204 Fire or projection hazard.	
health h	nazard	
Resp. Sens. 1	H334 May cause allergy or asthma symptoms or brea ment	thing difficulties if inhaled.
Aquatic Chronic	2 H411 Toxic to aquatic life with long lasting effects.	
Acute Tox. 4	H302 Harmful if swallowed.	
Skin Irrit. 2	H315 Causes skin irritation.	
Eye Irrit. 2	H319 Causes serious eye irritation.	
Skin Sens. 1	H317 May cause an allergic skin reaction.	(Contd. on page 2)

Printing date 26.09.2014

Revision: 24.09.2014

	(Contd. of page 1)
STOT SE 3	H335 May cause respiratory irritation.
Classification	n according to Directive 67/548/EEC or Directive 1999/45/EC ful
R20/22:	Harmful by inhalation and if swallowed.
🗙 Xn; Sensi	tising
R42/43:	May cause sensitisation by inhalation and skin contact.
🗙 Xi; Irritant	
R36/37/38:	Irritating to eyes, respiratory system and skin.
R5-44-52/53:	Heating may cause an explosion. Risk of explosion if heated under confinement. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
The product h	concerning particular hazards for human and environment: as to be labelled due to the calculation procedure of the "General Classification guideline for of the EU" in the latest valid version.
	ation is according to the latest editions of the EU-lists, and extended by company and
The classification of	ation is in accordance with the latest editions of international substances lists, and is by information from technical literature and by information provided by the company.
	cording to Regulation (EC) No 1272/2008 s classified and labelled according to the CLP regulation.
GHS01 GHS0	17 GHS08 GHS09
· Signal word [Danger
glycerol trinitra [(2-chloropher Rosin diphenylamine • Hazard stater The following regulation: H4 H204 Fire or p H302 Harmful H315 Causes H319 Causes H334 May cau	hyl)methylene]malononitrile ments g Hazard Statements are applicable only to the EU regulations and not the US GHS 12. projection hazard. if swallowed. skin irritation. serious eye irritation. use allergy or asthma symptoms or breathing difficulties if inhaled. use an allergic skin reaction.
	(Contd. on page 3)

GHS

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade (Contd. of page 2) H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects. **Precautionary statements** The following Precautionary Statements are applicable only to the general GHS regulations and not the specific CLP regulation: P374. P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P250 Do not subject to grinding/shock/friction. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P285 In case of inadequate ventilation wear respiratory protection. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P373 DO NOT fight fire when fire reaches explosives. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. P342+P311 P374 Fight fire with normal precautions from a reasonable distance. P372 Explosion risk in case of fire. If skin irritation or rash occurs: Get medical advice/attention. P333+P313 IF ON SKIN: Wash with plenty of soap and water. P302+P352 P403+P233 Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international P501 regulations. · Additional information: Can become highly flammable in use. · Hazard description: · WHMIS-symbols: D1B - Toxic material causing immediate and serious toxic effects D2A - Very toxic material causing other toxic effects E - Corrosive material F - Dangerously reactive material NFPA ratings (scale 0 - 4) Health = 3Fire = 2Reactivity = 3 · HMIS-ratings (scale 0 - 4) 3 Health = 3 HEALTH ² Fire = 2 FIRE REACTIVITY 3 Reactivity = 3 Warning: Contains lead salt(s). Long-term health hazard. HMIS Long Term Health Hazard Substances 122-39-4 diphenylamine (Contd. on page 4)

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade

(Contd. of page 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.

SECTION 3: Composition/information on ingredients · 3.2 Mixtures · Description: Mixture of substances listed below with nonhazardous additions. Dangerous components: Nitrocellulose, colloided, granular CAS: 9004-70-0 20-40% EC number: 603-037-0 🕊 E R3 📀 Expl. 1.1, H201 CAS: 55-63-0 glycerol trinitrate 20-40% EINECS: 200-240-8 🕗 Ünst. Expl., H200 Acute Tox. 2, H300; Acute Tox. 1, H310; Acute Tox. 2, H330 💩 STOT RE 2, H373 \lambda Aquatic Chronic 2. H411 Flam. Lig. 2, H225 CAS: 1309-48-4 magnesium oxide 10-20% substance with a Community workplace exposure limit EINECS: 215-171-9 Index number: 025-199-09-0 CAS: 2698-41-1 [(2-chlorophenyl)methylenelmalononitrile 5-10% EINECS: 220-278-9 😡 T R25; 🗙 Xn R42/43; 🌄 N R50 Acute Tox. 3, H301 \lambda Resp. Sens. 1, H334 \lambda Aquatic Acute 1, H400 🔥 Skin Sens. 1, H317 (Contd. on page 5)

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade

	(Con	td. of page 4)
CAS: 7757-79-1 EINECS: 231-818-8	potassium nitrate O R8 OX. Sol. 2, H272	1-5%
CAS: 8050-09-7 EINECS: 232-475-7 Index number: 650-015-00-7	Rosin Xi R43	1-5%
CAS: 112945-52-5	Silicon Dioxide (Amorphous)	1-5%
CAS: 7440-50-8 EINECS: 231-159-6	copper substance with a Community workplace exposure limit	0,5-2%
CAS: 122-39-4 EINECS: 204-539-4 Index number: 612-026-00-5	diphenylamine T R23/24/25; N R50/53 R33 Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT RE 2, H373 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	< 1,0%
CAS: 85-98-3 EINECS: 201-645-2	1,3-diethyldiphenylurea Xn R22 ♦ Acute Tox. 4, H302 Aquatic Chronic 3, H412	< 1,0%
CAS: 7440-66-6	zinc metal N R50/53 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	< 1,0%
· Additional information: For	the wording of the listed risk phrases refer to section 16.	
• Notable Trace Component	s (≤ 0,1% w/w)	
CAS: 15245-44-0 EINECS: 239-290-0 Index number: 609-019-00-4		3
	 Unst. Expl., H200 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 	

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

Remove breathing equipment only after contaminated clothing have been completely removed.

After inhalation:

Remove victim to fresh air.

Seek immediate medical advice.

Provide oxygen treatment if affected person has difficulty breathing.

In case of irregular breathing or respiratory arrest provide artificial respiration.

(Contd. on page 6)

GHS

Printing date 26.09.2014

Trade name: 12 GA CS Powder Barricade

Revision: 24.09.2014

	(Contd. of page 5
After skin contact:	
Immediately remove any clothing soiled by the product.	
Brush off loose particles from skin.	
Immediately wash with water and soap and rinse thoroughly.	
If skin irritation continues, consult a doctor.	
· After eye contact:	
Remove contact lenses if worn.	
Rinse opened eye for several minutes under running water. If symptoms pe	ersist, consult a doctor.
· After swallowing:	
Rinse out mouth and then drink plenty of water.	
Do not induce vomiting; call for medical help immediately.	
• 4.2 Most important symptoms and effects, both acute and delayed	
Asthma attacks	
Allergic reactions	
Blast injury if mishandled.	
May cause respiratory irritation.	
Breathing difficulty	
Coughing	
Irritant to eyes.	
Irritant to skin and mucous membranes.	
· Hazards	
Danger of blast or crush-type injuries.	
Danger of impaired breathing.	
· 4.3 Indication of any immediate medical attention and special treatme	nt needed
Product may produce physical injury if mishandled. Treatment of these i	njuries should be based on th
blast and compression effects.	
Contains [(2-chlorophenyl)methylene]malononitrile. May produce an allergie	
Severe allergic skin reaction, bronchial spasms and anaphylactic shock are	
In cases of irritation to the lungs, initial treatment with cortical steroid inhala	ints.
Monitor circulation, possible shock treatment.	
Treat skin and mucous membrane with antihistamine and corticoid prepara	ations.
If necessary oxygen respiration treatment.	
Medical supervision for at least 48 hours.	

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw and let fire burn.

• For safety reasons unsuitable extinguishing agents: None.

5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

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.

(Contd. on page 7)

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade

(Contd. of page 6)

Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.

Evacuate area and fight fire from from the upwind side.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. 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. Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Remove persons from danger area. Ensure adequate ventilation Protect from heat. 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. Dispose contaminated material as waste according to item 13. Send for recovery or disposal in suitable receptacles. Clean the affected area carefully; suitable cleaners are: Warm water and cleansing agent · 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. Avoid breathing dust Use only in well ventilated areas. Information about fire - and explosion protection: Protect from heat. Keep respiratory protective device available. 	
Keep respiratory protective device available. Emergency cooling must be available in case of nearby fire.	

(Contd. on page 8)

GHS

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade

(Contd. of page 7)

• 7.2 Conditions for safe storage, including any incompatibilities • Storage:

• Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

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.

• 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 item 7.

· 8.1 Control parameters		
· Ingredients with limit values that require monitoring at the workplace:		
1309-48-4 ma	agnesium oxide	
PEL (USA)	Long-term value: 15* mg/m ³ fume; *total particulate	
TLV (USA)	Long-term value: 10* mg/m³ *as inhalable fraction	
EL (Canada)	Short-term value: 10** mg/m³ Long-term value: 10* 3** mg/m³ *inhalable fume;**respirable dust and fume	
EV (Canada)	Long-term value: 10 mg/m³ inhalable	
2698-41-1 [(2	2698-41-1 [(2-chlorophenyl)methylene]malononitrile	
PEL (USA)	Long-term value: 0,4 mg/m ³ , 0,05 ppm	
REL (USA)	Ceiling limit: 0,4 mg/m³, 0,05 ppm Skin	
TLV (USA)	Ceiling limit: 0,39 mg/m³, 0,05 ppm Skin	
EL (Canada)	Ceiling limit: 0,05 ppm Skin	
EV (Canada)	Ceiling limit: 0,4 mg/m³, 0,05 ppm Skin	
55-63-0 glycerol trinitrate		
PEL (USA)	Ceiling limit: 2 mg/m³, 0,2 ppm Skin	
REL (USA)	Short-term value: 0,1 mg/m³ Skin	
	(Contd. on page 9)	

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade

		(Contd. of page 8)
TLV (USA)	Long-term value: 0,46 mg/m³, 0,05 ppm Skin	
EL (Canada)	Long-term value: 0,05 ppm Skin	
EV (Canada)	Long-term value: 0,5 mg/m³, 0,05 ppm Skin	
8050-09-7 Ro	osin	
TLV (USA)	DSEN, RSEN, L	
EL (Canada)	S	
15245-44-0 le	ead 2,4,6-trinitro-m-phenylene dioxide	
EV (Canada)	Long-term value: 0,05 mg/m³ as Pb, Skin (organic compounds)	
122-39-4 dipl	henylamine	
REL (USA)	Long-term value: 10 mg/m ³	
TLV (USA)	Long-term value: 10 mg/m ³	
EL (Canada)	Long-term value: 10 mg/m ³	
· · ·	Long-term value: 10 mg/m ³	
7440-50-8 co	pper	
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/m³ 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	
· PNECs No fu	rther relevant information available. Irther relevant information available. I formation: The lists valid during the making were used as basis.	
· General prot	otective equipment: rective and hygienic measures:	
Immediately r Do not inhale	ecautionary measures are to be adhered to when handling chemicals. emove all soiled and contaminated clothing. dust / smoke / mist.	
	t with the eyes and skin.	
	om foodstuffs, beverages and feed. before breaks and at the end of work.	
		(Contd. on page 10)

Printing date 26.09.2014

Revision: 24.09.2014

(Contd. of page 9)

Trade name: 12 GA CS Powder Barricade

· Respiratory protection:



Respiratory protection required.

· Protection of hands:



Protective gloves

Wear gloves when handling deployed rounds.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Safety glasses

· Body protection: Protective work clothing

· Limitation and supervision of exposure into the environment

No further relevant information available.

· Risk management measures

See Section 7 for additional information.

Organizational measures should be in place for all activities involving this product.

No further relevant information available.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance: Form: Colour: · Odour: · Odour threshold:
- · pH-value:

Solid metal container containing liquid and solid contents. According to product specification Odourless Not determined. Not applicable.

· Change in condition Melting point/Melting range: Not Determined.

(Contd. on page 11)

GHS

Printing date 26.09.2014

Trade name: 12 GA CS Powder Barricade

Revision: 24.09.2014

		(Contd. of page 1
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Not determined.	
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:	Not determined. Not determined.	
Vapour pressure:	Not applicable.	
Density: Relative density Vapour density Evaporation rate	Not determined. Not determined. Not applicable. Not applicable.	
Solubility in / Miscibility with water:	Insoluble.	
Partition coefficient (n-octanol/wa	ter): Not determined.	
Viscosity:		
Dynamic: Kinematic:	Not applicable.	
9.2 Other information	Not applicable. No further relevant information available.	

SECTION 10: Stability and reactivity

· 10.1 Reactivity	
· 10.2 Chemical stability	
• Thermal decomposition / conditions to be avoided:	
No decomposition if used and stored according to specifications.	
 10.3 Possibility of hazardous reactions 	
Danger of explosion.	
Toxic fumes may be released if heated above the decomposition point.	
Contact with acids releases toxic gases.	
Acts as an oxidising agent on organic materials such as wood, paper and fats.	
Reacts with strong alkali.	
 10.4 Conditions to avoid Sources of ignition, open flame, incompatible materials. 	
10.5 Incompatible materials: No further relevant information available.	
10.6 Hazardous decomposition products:	
Carbon monoxide and carbon dioxide	
Nitrogen oxides	
	(Contd. on page 12)

Printing date 26.09.2014

Revision: 24.09.2014

(Contd. of page 11)

Trade name: 12 GA CS Powder Barricade

Sulphur oxides (SOx)

SECTION 11: Toxicological information				
· 11.1 Information on toxicological effects				
· Acute te	oxicity	r:		
· LD/LC5	0 valu	es relevant for classification:		
2698-41	-1 [(2-	chlorophenyl)methylene]malononitrile		
Oral	LD50	178 mg/kg (rat)		
55-63-0	glyce	rol trinitrate		
Oral	LD50	115 mg/kg (mouse)		
		105 mg/kg (rat)		
Dermal	LD50	29 mg/kg (rat)		
		280 mg/kg (rabbit)		
122-39-	4 diph	enylamine		
Oral	LD50	1120 mg/kg (rat)		
· Primary	, irritai	nt effect:		
Effects	based	on exposure to dusts/mists/spray/vapours released during deployment. Unused product		
		ss these effects.		
		ritant to skin and mucous membranes.		
		itating effect.		
· Sensitis				
		ossible through inhalation. ossible through skin contact.		
		kicological information:		
Normal	handli	ng of the undeployed product poses little or no health hazards, One should avoid inhalation propriate respiratory protection when exposed to the chemical ingredients of the product		
contains	s the v	LV's or when exposed to the post ignition by-products. This product is a cansister which various components completely sealed within. Therefore, under normal handling of this		
		posure to any harmful materials will occur. When the product is used, particles may be		
		ch may be irritating to the eyes and the respiratory tract. shows the following dangers according to the calculation method of the General EU		
		Guidelines for Preparations as issued in the latest version:		
Irritant				
Harmful				
Danger through skin adsorption.				
	Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible.			
 Acute effects (acute toxicity, irritation and corrosivity): Inhalation may cause irritation to the respiratory system. 				
· Repeated dose toxicity:				
		mage to organs through prolonged or repeated exposure.		
Repeated exposures may result in skin and/or respiratory sensitivity.				
		(Contd. on page 13)		

(Contd. on page 13)

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade

(Contd. of page 12)

SECTION 12: Ecological information
 • 12.1 Toxicity • Aquatic toxicity: The product contains materials that are harmful to the environment.
2698-41-1 [(2-chlorophenyl)methylene]malononitrile
EC50 0,2-0,3 mg/kg (Oncorhynchus mykiss) 96 H
 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. Ecotoxical effects: Remark: Harmful to fish Additional ecological information: General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. The product contains heavy metals. Avoid transfer into the environment. Specific preliminary treatments are necessary Harmful to aquatic organisms Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded. 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. After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste. 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. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.
SECTION 14: Transport information

· 14.1 UN-Number · DOT, ADR, IMDG, IATA

UN0301

(Contd. on page 14)

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade	
 14.2 UN proper shipping name DOT, IMDG, IATA 	(Contd. of page 13) Ammunition Tear-producing with burster, expelling
ADR	charge or propelling charge 0301 Ammunition Tear-producing with burster, expelling charge or propelling charge
 14.3 Transport hazard class(es) 	expensing charge of propensing charge
DOT	
· Class	1.4
· Label	1.4G+6.1+8
· ADR, IMDG	
Class	1.4
·Label	1.4G+6.1+8
Class	1.4G
· Label · 14.4 Packing group	1.4G+6.1+8
· DOT, ADR, IMDG, IATA	II
 14.5 Environmental hazards: Marine pollutant: 	No
Special marking (IATA):	
Cargo Aircraft Only.	
 14.6 Special precautions for user EMS Number: 	Not applicable. <u>F-A</u> ,S-Q
 14.7 Transport in bulk according to Annex MARPOL73/78 and the IBC Code UN "Model Regulation": 	x II of Not applicable. UN0301, Ammunition Tear-producing with burster, expelling charge or propelling charge, 1.4G (6.1+8), II

(Contd. on page 15)

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade

(Contd. of page 14)

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): 55-63-0 glycerol trinitrate 7757-79-1 potassium nitrate TSCA (Toxic Substances Control Act): All ingredients are listed. · Proposition 65 (California): · Chemicals known to cause cancer: Present in trace quantities. 15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide · Chemicals known to cause reproductive toxicity for females: Present in trace quantities. None of the ingredients are listed. · Chemicals known to cause reproductive toxicity for males: Present in trace quantities. None of the ingredients are listed. · Chemicals known to cause developmental toxicity: Present in trace quantities. 15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide Carcinogenic Categories · EPA (Environmental Protection Agency) D 7440-50-8 copper · IARC (International Agency for Research on Cancer) None of the ingredients are listed. • TLV (Threshold Limit Value established by ACGIH) 1309-48-4 magnesium oxide A4 2698-41-1 [(2-chlorophenyl)methylene]malononitrile A4 122-39-4 diphenylamine A4 · NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients are listed. · Canada · Canadian Domestic Substances List (DSL) All ingredients are listed. (Contd. on page 16)

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade

(Contd. of page 15)

Canadian Ingredient Disclosure list (limit 0.1%)

122-39-4 diphenylamine

· Canadian Ingredient Disclosure list (limit 1%)

1309-48-4 magnesium oxide

2698-41-1 [(2-chlorophenyl)methylene]malononitrile

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.

· 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

- H200 Unstable explosives.
- H201 Explosive; mass explosion hazard.
- H225 Highly flammable liquid and vapour.
- H272 May intensify fire; oxidiser.
- H300 Fatal if swallowed.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H317 May cause an allergic skin reaction.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- R22 Harmful if swallowed.
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R25 Toxic if swallowed.
- R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.
- R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.
- R33 Danger of cumulative effects.
- R42/43 May cause sensitisation by inhalation and skin contact.
- R43 May cause sensitisation by skin contact.
- R50 Very toxic to aquatic organisms.

(Contd. on page 17)

GHS

Printing date 26.09.2014

Revision: 24.09.2014

Trade name: 12 GA CS Powder Barricade (Contd. of page 16) Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic R50/53 environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Contact with combustible material may cause fire. R8 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) WHMIS: Workplace Hazardous Materials Information System (Canada) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent Expl. 1.1: Explosives, Division 1.1 Expl. 1.4: Explosives, Division 1.4 Unst. Expl.: Explosives, Unstable explosives Flam. Liq. 2: Flammable liquids, Hazard Category 2 Ox. Sol. 2: Oxidising Solids, Hazard Category 2 Acute Tox. 2: Acute toxicity, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Acute Tox. 4: Acute toxicity, Hazard Category 4 Acute Tox. 1: Acute toxicity, Hazard Category 1 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2 Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 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 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3 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