



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **1 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 PRODUCT IDENTIFIER

Commercial Name: *SPORTING CARTRIDGES FOR SMOOTH-BORE BARREL WEAPONS.*

Company references:

12 GAUGE	
DESCRIPTION	CODE
TARGET LOADS 12GA 2 3/4" 7/8 OZ. #7.5 12GA 2 3/4" 1 OZ. #7.5 12GA 2 3/4" 1 OZ. #8 12GA 2 3/4" 1 1/8 OZ. #7.5 12GA 2 3/4" 1 1/8 OZ. #8	CESTAB124 75 CESTAB128 75 CESTAB128 08 CESTAB132 75 CESTAB132 08
DEFENSE 12GA 2 3/4" 9 BUCK 9 PELLETS	CESTAB3BUCK 09
PHEASANT 12GA 2 3/4" 1 1/4OZ. #4 12GA 2 3/4" 1 1/4OZ. #5	CESTAB335 04 CESTAB335 05
DOVE & QUAIL 12GA 2 3/4" 1 OZ. #7.5 12GA 2 3/4" 1 OZ. #8	CESTAQB128 75 CESTAQB128 08
RIFLED SLUG 12GA 2 3/4" SLUG	CESTAB3SLUG28

20 GAUGE	
DESCRIPTION	CODE
TARGET LOAD 20GA 2 3/4" 7/8 OZ. #7.5 20GA 2 3/4" 7/8 OZ. #8	CESTAB824 75 CESTAB824 08
PHEASANT 20GA 2 3/4" 1 OZ. #5 20GA 2 3/4" 1 OZ. #6	CESTAB928 05 CESTAB928 06
DOVE & QUAIL 20GA 2 3/4" 1 OZ. #8	CESTAQB828 08
RIFLED SLUG 20GA 2 3/4" SLUG	CESTAB9SLUG21

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Hunting and shooting cartridges.

It is not recommended for any other purpose not listed above.



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **2 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

1.3 MANUFACTURERS ADDRESS:

Cheddite Italy Srl con socio unico
Via del Giaggiolo 189
I-57124 Livorno
ITALY
Phone: 0586 854295 International: +39 0586 854295
Fax: 0586 854393 International: +39 0586 854393
web site: www.chedditeitaly.com

1.4 DEALER ADDRESS:

TRZ Trading Inc.
1370 Honeyspot Rd. Ext
Stratford, CT 06615
Phone: 1-203-3758544
Email: info@trzusa.com

1.5 EMERGENCY TELEPHONE NUMBER:

For DOMESTIC NORTH AMERICA Chemical Emergency, Spill, Leak, Fire, Exposure or Accident Call
CHEMTREC Day or Night 800-424-9300

1.6 E-MAIL ADDRESS OF THE COMPETENT PERSON RESPONSIBLE FOR THE SAFETY DATA SHEET:

INFOSDS@CHEDDITEITALY.IT

SECTION 2: Hazards identification

2.1 CLASSIFICATION OF THE ARTICLE

2.1.1 Classification according to Regulation (EC) n.1272/2008 [CLP]

Fire or projection hazard, H204
Suspected of causing cancer, H351
May damage fertility or the unborn child, H360

2.2 LABEL ELEMENTS

<u>Hazard pictograms</u>	
<u>Signal word</u>	<i>Attention</i>
<u>Hazard statement</u>	<i>H204 Fire or projection hazard.</i> <i>H351 Suspected of causing cancer.</i> <i>H360 May damage fertility or the unborn child.</i>
<u>Precautionary Statements</u>	<i>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</i>

For the State of California LEAD is on the PROPOSITION 65

:

WARNING



For more information go to www.P65Warnings.ca.gov/product



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **3 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

2.3 OTHER HAZARDS

Do not swallow.

Item has not been environmentally tested.

According to Art.3 of Regulation 1272/2008, blank cartridges are classified as articles containing articles, as shown below:

- *Propellant: article;*
- *Primer cap: article containing mixture;*
- *Empty case: article containing articles containing mixture;*
- *Loading: articles containing mixture. Hazardous substances are hermetically sealed within the product. Therefore, under normal conditions in terms of use and handling of the product, no exposures to hazardous substances can occur.*

Articles unburned involved in a fire: DO NOT REUSE OR STORE WITH OTHER PRODUCTS.

The product should be destroyed following the procedures outlined in the following § 13.

The product has a low risk of explosion in the event of ignition or initiation. Effects are confined inside the package and give no projection of fragments of appreciable size or range. An external fire will not cause an explosion of the entire package content.

The product is packaged and designed in such a way that all the dangerous effects following the accidental ignition are confined within the package, provided that the package has not been degraded by fire. In any case, all the projection or shockwave effects are to the point of not impede or block the firefighter's intervention in the immediate vicinity of the package.

SECTION 3: Composition/information on ingredients

3.1 SUBSTANCES

N.a.

3.2 MIXTURES

3.2.1 Mixture in the cartridge

The propellant is a smokeless powder loaded in the cartridge in an amount between 0.50 g ÷ 2.30 g. composition:

EC No	CAS No	Name	%[weight]	Classification according to Regulation (EC) n.1272/2008 (CLP)
-	9004-70-0	Nitrocellulose (containing N > 12,6%)	>48,0	Expl. 1.1 H201
200-240-8	55-63-0	Glycerol trinitrate	0,0 ÷ 50,0	Unst. Expl. H200 Acute Tox. 2 H300 Acute Tox. 2 H310 Acute Tox. 2 H330 STOT Rep. Exp. 2 H373 Aquatic Chronic 2 H411
201-645-2	85-98-3	Centralite ⁽¹⁾	0,0 ÷ 3,5	Acute Tox. 4 H302 Aquatic Chronic 3 H412



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **4 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

EC No	CAS No	Name	%[weight]	Classification according to Regulation (EC) n.1272/2008 (CLP)
204-539-4	122-39-4	Diphenylamine	0,0 ÷ 2,0	Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 Eye Irrit. 2 H319 STOT Rep. Exp. 2 H373 Aquatic Acute 1 H400
231-818-8	7757-79-1	Potassium Nitrate ⁽¹⁾	0,0 ÷ 0,5	Oxid. Solid 3 H272
205-500-4	141-78-6	Ethyl acetate	0,0 ÷ 0,5	Flam liq. 2; H225 Eye Irrit. 2 H319 STOT SE 3; H336 EUH066

(1)- This substance is not classified in Annex I to Regulation (EC) n.1272/2008

3.2.2 Mixtures contained in the articles composing the cartridge.

Burning mixture in the trigger capsule

The trigger capsule is loaded with 0,050 g ÷ 0,065 g of burning mixture of the following composition:

EC No	CAS No	Name	%[weight]	Classification according to Regulation (EC) n.1272/2008 (CLP)
239-290-0	15245-44-0	Lead Styphnate	33 ÷ 50	Unst. Expl. H200 Acute Tox. 4 H302; H332 Repr. Tox. 1A H360 STOT Rep. Exp. 2 H373 Aquatic Chronic 1 H410; Aquatic Acute 1 H400
233-020-5	10022-31-8	Barium Nitrate	25 ÷ 45	Ox. Sol. 2; H272 Acute Tox. 4 H302; H332 Eye Irrit. 2; H319
215-713-4	1345-04-6	Antimony sulfide ⁽¹⁾	0 ÷ 25	Carc. 2 H351 Aquatic Chronic 3 H412 Repr. 1A H360
203-659-4	109-27-3	Tetrazene	3 ÷ 6	Unst. Expl. H200
231-072-3	7429-90-5	Aluminium Powder (pyrophoric)	0 ÷ 6	Flam. Solid 1 H228 Water React. Flam. Gas 2 H261



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **5 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

EC No	CAS No	Name	%[weight]	Classification according to Regulation (EC) n.1272/2008 (CLP)
231-175-3	7440-66-6	Zinc Powder (pyrophoric)	0 ÷ 6	Pyr. Solid 1 H250 Water React. Flam. Gas 1 H260 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

(1)- This substance is not classified in the Annex VI to Regulation (EC) n.1272/2008. Newly generated substance specific hazard data do not support the harmonised classification and labelling for this antimony compound as stated in Annex VI of regulation (EC) 1272/2008. Therefore, an alternative proposal for the classification and labelling of antimony sulphide (representative sample) is provided as well.

Loading

Loading is made of pellets or balls or buckshot made of antimonial lead and its weight varies from 12 g ÷ 57 g.

EC No	CAS No	Name	%[weight]	Classification according to Regulation (EC) n.1272/2008 (CLP)
231-100-4	7439-92-1	Lead	> 95	Acute Tox. 4 H332 Repr. Tox. 1A H360FD Lact. Tox. H362 Aquatic Chronic 1 H410 Aquatic Acute 1 H400
231-146-5	7440-36-0	Antimony ⁽¹⁾	< 8	-
231-148-6	7440-38-2	Arsenic	0,2 – 0,5	Acute Tox. 3 H301 Acute Tox. 3 H331 Aquatic Chronic 1 H410 Aquatic Acute 1 H400

(1)- Antimony powder is not legally classified as laid down or in Annex VI of Regulation (EC) n.1272/2008 [CLP]

Additional information:

For full text of P-statements and H-phrases: see SECTION 16

SECTION 4: First aid measures

4.1 DESCRIPTION OF FIRST AID MEASURES

General notes: interventions refer to an unlikely accidental contact with the mixtures present within the article or with the fumes which develop after the shot. Upon occurrence of significant levels of contamination, remove immediately the cause of exposure, ensure that people involved are in a protected, well ventilated and warm area. Search for medical assistance.

Following inhalation: In case of inhalation of the product, allow to breathe fresh air. Inhalation of fumes generated by the combustion/deflagration of powders can cause irritation to the respiratory tract and nasal passages, coughing and breathing difficulty. If such symptoms occur immediately move the individual from the exposure place to open air. If the exposed person



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **6 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

should demonstrate any breathing difficulties administer oxygen. In case of respiratory arrest, administer artificial respiration, keep the affected person warm and rested.

There is a risk of pulmonary edema as a delayed effect of this exposure. Search for medical assistance. If any symptom of poisoning by carbon monoxide (CO) and / or nitrogen oxides (NO_x) is experienced, such as nausea, fatigue, confusion and fainting: call a doctor and remain under medical observation for at least 48 hours. There are specific emergency medical procedures for poisoning by carbon monoxide (CO) and / or nitrogen oxides (NO_x).

If the temperature reached during the fire exceeds 400° C toxic and irritating fumes and vapors containing LEAD can generate.

Following skin contact: *wash with plenty of soap and water. If required, immediately remove contaminated clothing and/or footwear.*

Following eye contact: *gently wash with plenty of cool water for at least 15 minutes and consult a specialist.*

Following ingestion: *do not induce vomiting and contact a doctor.*

Following burns: *immediately cool the area of affected skin with fresh water as long as possible. Do not remove clothing stuck to the skin. Contact a specialist centre for burns treatment.*

Following injuries caused by accidental detonation: *immediately lead the injured person to the closest hospital emergency room.*

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

General notes: *The main symptoms, both acute and delayed are linked to the prolonged exposure to some of the substances composing the mixture or to the explosion's fumes.*

It is unlikely that the amount of particles which someone might be exposed to following the firing of a cartridge, can be sufficient to cause some of these effects.

Inhalation: *the inhalation of powder may cause irritation of the respiratory tract. Exposure to fumes from detonation can cause nausea, fatigue, confusion and fainting. It can also cause irritation to the respiratory system, bronchitis, bronchopneumonia and, in severe cases over a period of 24 hours, acute pulmonary edema and death.*

Skin contact: *possible irritation after contact with the product.*

Eye contact: *can cause irritation.*

LEAD: *Ingestion of large amounts of lead can cause abdominal pain, constipation, cramps, nausea and / or vomiting. Chronic lead exposure can cause damage to kidneys, anemia, fertility problems can cause damage in the early stages of development, cause permanent damage to the nervous system in humans and damage, even, to the cognitive function.*

ARSENIC: *Epidemiological studies in humans have shown an association between the increased incidence of lung and skin cancer and prolonged exposure to high concentrations of arsenic. Arsenic is classified as a known carcinogen.*

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

It is advisable to consult a doctor in any of the cases reported in § 4.1



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° SIS031/ENG
Date: 16/10/2020
Version: A
Page 7 of 16

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

SECTION 5: Firefighting Measures

5.1 EXTINGUISHING MEDIA

SUITABLE extinguishing media: *water spray, CO₂, dry chemical powder.*
If the fire reaches the product, withdraw and let the fire burn.

UNSUITABLE extinguishing media: *none .*

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

When thermal decomposition occurs, irritating or poisonous vapors and gases can be released. CO, CO₂ and Nitrogen Oxides (NO_x) can be produced.
If the temperature reached during the fire exceeds 400 ° C toxic and irritating fumes and vapors containing LEAD can generate.

5.3 ADVICE FOR FIREFIGHTERS

Control fire with water jet and prevent fire from spreading.
Work from protected position to reduce risk to personnel. Use unmanned monitors or lances.
Evacuate the public from the risk area in a radius of at least 100 m.
Keep emergency response personnel away from the risk area in a radius of at least 25 m.
Avoid inhaling fumes produced by the fire.
The removal and destruction of articles exposed to fire is for the expert.

SECTION 6: Accidental Release Measures

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel

- *DO NOT TAKE MEASURES! Seek specialist advice immediately.*
- *Don't smoke.*
- *Reach a safe area.*

For emergency responders

- *Isolate the area for a safe distance of about 100 m. In this area remove any source of ignition.*
- *Prevent access by unauthorized persons and the movement of vehicles in the contaminated area.*
- *Respect the safety measures regarding the handling of explosives.*
- *Avoid direct contact with the product. Always work with the appropriate individual protective devices in compliance with what prescribed in § 8.*

6.2 ENVIRONMENTAL PRECAUTIONS

In case of accidental release of product is not required the presence of a specialized Emergency Team. In case of a large quantity release and the product comes in contact with a stream or a sewer, inform the responsible authorities.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Indication for the containment

In order to reduce the risk of fire, soak the leaked product with water, caring not to involve waste waters conducts. Collect the product manually using non-sparking tools and put it into containers which are properly labelled and in compliance with what prescribed in § 14. Do not use electrical



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **8 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

appliance to collect the product. For disposal, follow the instructions contained in § 13 below. Should any particular difficulties arise, contact the Cheddite Italy Srl technical assistance service.

6.4 REFERENCE TO OTHER SECTIONS

Information on personal protection and disposal is given in Sections 8 e 13.

SECTION 7: Handling and Storage

General notes: *the product is subject to the regulatory restrictions dictated for the handling and storage of explosives, which the user must be aware of and apply.*

7.1 PRECAUTIONS FOR SAFE HANDLING

- *Don't smoke.*
- *Keep the product away from sources of heat, flames, sparks and electrostatic discharge.*
- *Do not use any electrical appliance near the product.*
- *Avoid shock and friction.*
- *Avoid contact with incompatible materials; see § 10 below.*
- *Limit the possible manipulation of damaged products to the securing operations as described in § 6.3.*
- *Do not eat or drink in the room where the product is being handled.*

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- *Don't smoke.*
- *Store the product away from heat sources, flames, sparks and electrostatic discharge.*
- *Avoid rough handling.*
- *Store in areas that are sufficiently fresh, dry and ventilated, with interiors protected from direct sunlight. Storage temperature should be maintained between -20°C and + 25°C. The relative humidity should be maintained between 30 and 75%.*
- *Clean storage area and keep product away from other flammable material.*
- *Do not store with other incompatible hazardous materials inside the same storage area.*
- *Do not exceed the storage capacities prescribed for each storage area.*
- *Remove any faulty, altered or incomplete packaging.*
- *Do not refill or empty the packaged product in the storage area.*
- *Stack the packaged product in a stable manner.*
- *Do not exceed the stacking height provided by the regulations in force and do not in any case exceeds a height of 3 m above the floor when stacking the product.*
- *Always use the homologated packaging prescribed in § 14 below within the limits of the maximum admissible gross load indicated on it.*

7.3 SPECIFIC END USE(S)

Do not use for purposes other than those listed in § 1.2.

The user must select appropriate ammunition for rifles that must be kept in proper operating condition. Do not use these cartridges for rifles that have damasked steel or twisted barrels, or chambers shorter than the length of the cartridge as indicated on the box. If unsure, check with the rifles manufacturer. Before loading the gun, make sure the barrel is not obstructed and in particular check that the in barrel there is no cartridge of a smaller calibre. Use only cartridges in good condition and undamaged.



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **9 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

SECTION 8: Exposure controls/personal protection

8.1 CONTROL PARAMETERS

8.1.1 National limit values

Occupational exposure limits values: *Not defined by Italian law.*

Mixture Hazardous component:

Hazardous component	CAS No	TLV – TWA (8 hours)
Aluminium Powder (pyrophoric)	7429-90-5	1 mg/m ³
Antimony	7440-36-0	0,5 mg/m ³
Arsenic	7440-38-2	0,01 mg/m ³
Centralite I *	85-98-3	Not defined
Diphenylamine	122-39-4	10 mg/m ³
Barium Nitrate	10022-31-8	Not defined
Potassium Nitrate	7757-79-1	Not defined
Nitrocellulose (containing N > 12,6%)	9004-70-0	Not defined
Glycerol trinitrate	55-63-0	(cute) 0,46 mg/m ³
Lead	7439-92-1	0,05 mg/m ³
Antimony sulfide	1345-04-6	Not defined
Lead Styphnate	15245-44-0	Not defined
Tetrazene	109-27-3	Not defined
Zinc Powder (pyrophoric)	7440-66-6	Not defined

Exposure limits values from ACGIH American Conference of Governmental Industrial Hygienists 2014.

8.1.2 Information on monitoring procedures

None appropriate exposure control measure is required.

The clinical and biological monitoring is the prerogative of the physician responsible.

8.2 EXPOSURE CONTROLS

General notes

When shooting, it is recommended to ventilate the premises if significant amounts of fumes or dust are generated.

Hygienic measures to prevent exposure:

Observe the following hygienic measures:

- don't eat and drink while handling substances.*
- After handling, wash hands carefully with soap and water.*
- Remove work clothing / personal protective equipment contaminated before leaving the work.*

8.2.1 Personal protection equipment

Eye and face protection:

Use safety glasses with side protection and shatterproof lenses.

Hearing Protection:

Use earmuffs when shooting.

Body protection:

When working directly with the mixture, wear flame retardant and antistatic clothing. Wear safety antistatic shoes.

Hand protection:

When working directly with mixtures, wear antistatic gloves.

Respiratory protection:

Not necessary in ventilated environments.

*In environments not ventilated use a mask with P2 protective filter.
In environments where there has been a fire or an explosion use a self-respirator.*



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **10 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

SECTION 9: **Physical and chemical properties**

9.1 **INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	<i>Solid</i>
Odour	<i>Odorless</i>
Colour	<i>Black, green, yellow or white case, with golden base.</i>
Form	<i>Plastic or fiber cylinder with metal bottom</i>
Dimensions, mm	<i>12.08.70, 12.10.70, 12.16.70, 12.23.70, 16.08.70, 20.16.70, 28.16.70, 410.08.63,</i>
Thickness, mm	<i>not applicable</i>
Gravimetric density, g/dm ³	<i>not applicable</i>
Calorific Power, cal/g	<i>not applicable</i>
Self-ignition temperature	<i>> 130° C</i>
Solubility in Water	<i>Insoluble</i>
Solubility in other solvents	<i>Insoluble</i>
Properties of explosive materials	<i>Explosive</i>

9.2 **OTHER INFORMATION**

N.a.

SECTION 10: **Stability and Reactivity**

10.1 **REACTIVITY**

The mixture containing oxidizing substances and combustible materials, and has a high reactivity to external sources of ignition.

10.2 **CHEMICAL STABILITY**

The product is stable under the handling and storage conditions recommended in the Section 7.

10.3 **POSSIBILITY OF HAZARDOUS REACTIONS**

Under severe and unusual conditions of strong confinement or in case it is punctured or seriously damaged the cartridge can explode.

If the mixture comes in contact with ignition sources, the combustion reaction would proceed at high speed developing high amounts of heat, gases and fumes containing hazardous decomposition products.

10.4 **CONDITIONS TO AVOID**

As listed in §7, the mixture can't come into contact with sources of ignition:

- *Flames or sources of heat*
- *Sparks*
- *Electrostatic discharge*
- *Friction*
- *Shock*



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° SIS031/ENG
Date: 16/10/2020
Version: A
Page 11 of 16

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

10.5 INCOMPATIBLE MATERIALS

Alkalis and acids, amines, flammable, strong oxidizing.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

*CO, CO₂ and Nitrogen oxides (NO_x), Metal Oxides and Sulphur Dioxide (SO₂).
If the temperature reached during the fire exceeds 400° C toxic and irritating fumes and vapors containing LEAD can generate.*

SECTION 11: Toxicological information

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

The physical nature of this product makes unlikely the absorption because all harmful and toxic substances coming from the primer, the powder and the load are contained within the cartridge. A minimal amount of inhalable particles can be generated when the cartridge is fired.

SECTION 12: Ecological information

12.1 TOXICITY

N.a.

12.2 PERSISTENCE AND DEGRADABILITY

Not biodegradable. The loading can fragment and decompose in soil leading to a local lead accumulation.

12.3 BIOACCUMULATIVE POTENTIAL

N.a.

12.4 MOBILITY IN SOIL

Lead released into the environment during the process of degradation of the load can migrate in the soil.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

N.a.

12.6 OTHER ADVERSE EFFECTS

N.a.

SECTION 13: Disposal considerations

13.1 WASTE TREATMENT METHODS

*The product should be used with caution in order to avoid environmental contamination and must not be dumped. It must be collected for disposal according to § 6 and stored in a location under custody as indicated at § 7. Destroy by incineration exclusively in sites authorised for the disposal of explosives. Do not mix with other incompatible waste products (see § 10).
The user has the responsibility to return to a special facility unused items (Expired or damaged), empty containers recovered after use and packaging in compliance with all local laws and regulations and national regulations regarding waste material of hazardous substances.*



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **12 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

In case of difficulties, contact the Cheddite Italy Srl technical assistance service.

13.1.1 Packaging disposal

If it is in perfect conditions and properly preserved, it may be reused to package an identical product. Otherwise, treat it in the same way as waste and residues as indicated in the preceding § 13.1.

13.1.2 European catalogue of wastes

16 04 01 Waste ammunition.*

13.1.3 Waste code according to T.U.A. (D.Lgs. 152/2006)

“According to art. 185, paragraph 1, of Legislative Decree n. 152/2006, as amended by Legislative Decree n. 4/2008, does not fall within the scope of Part IV of the same Legislative Decree and are hereby expressly excluded by the general rules of waste management: [...] d) explosives into disuse”

SECTION 14: Transport Information

14.1 UN NUMBER

0012

14.2 NAME AND DESCRIPTION

CARTIRDGES, SMALL ARMS

14.3 CLASSIFICATION BASED ON “RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS - MODEL REGULATIONS”

- Class: 1
- Division: 1.4
- Compatibility Group: S

14.4 ADR

- Transport category 4
- Exemptions related to quantities carried per transport unit § 1.1.3.6 *Unlimited*
- Exemptions related to dangerous goods packed in limited quantities § 3.4. *5kg*
Marking for limited quantities § 3.4.



- Tunnel restriction code
- Mixed loading

E
Mixed loading NOT permitted with packages containing substances or articles of Class:
4.1 + 1
5.2 + 1
1A e 1L
1.4A e 1.4L
1.5A e 1.5L
1.6A e 1.6L

14.5 RID

- Nomenclature Harmonisée Marchandises 930630
- Transport category 4
- Exemptions related to quantities carried per transport unit § 1.1.3.6 *Unlimited*



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **13 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

- Exemptions related to dangerous goods packed in limited *5kg* quantities § 3.4.
Marking for limited quantities § 3.4.

- Mixed loading



Mixed loading NOT permitted with packages containing substances or articles of Class:

*4.1 + 1
5.2 + 1
1A e 1L
1.4A e 1.4L
1.5A e 1.5L
1.6A e 1.6L*

14.6 IMDG CODE

- EmS
- Stowage and Segregation
- Exemptions related to dangerous goods packed in limited *5kg* quantities § 3.4.
Marking for limited quantities § 3.4.

*F-B, S-X
Category 01*



14.7 IATA

- ERG Code
- Labels:

3L



14.7.1 PASSENGER & CARGO AIRCRAFT

Maximum permissible net mass per transport unit *kg 25*

14.7.2 CARGO AIRCRAFT ONLY

Maximum permissible net mass per transport unit *Kg 100*

14.8 PACKING INSTRUCTIONS

The propellant must be packaged according to that prescribed by definition P130

14.8.1 External packaging

- Description of external packaging *4G fibreboard boxes*
- a. PACKAGING for gauge 12 and for 250 pcs.
- | | |
|---------------------------------|---|
| Marking | <i>UN 4G/Y13,0/S/(year of manufacture)
I/RINA/CH 25012</i> |
| Transport admission certificate | 2016-LI-01-89-07 |
| Marking | <i>UN 4G/Y15,0 /S/(year of manufacture)
I/RINA/CH 25012 N</i> |
| Transport admission certificate | 2016-LI-01-89-25-ult |
- b. PACKAGING for gauge 20 and for 250 pcs.
- | | |
|---------------------------------|--|
| Marking | <i>UN 4G/Y15,0/S/(year of manufacture)
I/RINA/2007/CS/01/1758-3 / CH 25020</i> |
| Transport admission certificate | 2018_LI_01_849 4 |
| Marking | <i>UN 4G/Y15,0/S/(year of manufacture)
I/RINA/2018_LI_01_849 2 / CH 25020 MG</i> |
| Transport admission certificate | 2018_LI_01_849 2 |



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° SIS031/ENG
Date: 16/10/2020
Version: A
Page 14 of 16

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

14.8.2 Internal packaging

*Not required.
If used it will be fibreboard boxes.*

SECTION 15: Regulatory information

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Italian Legislation

PS Category

V – gruppo A /1.4S

Recognition certificate:

Law n° 509 dated December 6, 1993

European Legislation

The product is not subjected to articles 9, 10, 11 of the Directive 1999/45/CE dated 31.05.1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

International rules:

The product complies with the technical regulations CIP XV - 7 established by the “Commission Permanent International pour l'épreuve des armes à feu portatives (CIP)”

Approval certificate:

Prot N ° 208-2017/BAL - AG / vp

Date:

21 /07 /2017

15.2 CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

16.1 ABBREVIATIONS AND ACRONYMS

<i>N.a.</i>	<i>Not available.</i>
<i>SNPE</i>	<i>Italian Society of Powder and Explosives.</i>
<i>ADR</i>	<i>Agreement concerning the international carriage of Dangerous goods by Road.</i>
<i>RID</i>	<i>Règlement concernant le transport International ferroviaire des marchandises Dangereuses.</i>
<i>IMDG</i>	<i>International Maritime Dangerous Goods Code.</i>
<i>IATA</i>	<i>International Air Transport Association.</i>
<i>TLV-TWA</i>	<i>Threshold Limit Value - Time Weight Average (8 h).</i>
<i>LD₅₀</i>	<i>Lethal Dose to 50% of a test population (Median Lethal Dose).</i>
<i>EC₅₀</i>	<i>Half maximal effective concentration.</i>
<i>PBT</i>	<i>Persistent Bioaccumulative and Toxic.</i>
<i>vPvB</i>	<i>very Persistent very Bioaccumulative.</i>

16.2 MAIN REGULATORY SOURCES

- Directive 67/548/CEE*
- Directive 76/769/CEE*
- Directive 90/394/CEE*
- Directive 1999/45/CE*
- Directive 2001/58/CE*
- Directive 2001/59/CE*
- Decision 2001/118/CE*
- Directive 2003/34/CE*
- Directive 2004/37/CE*
- D.P.R. 10 Settembre 1982, n. 904*
- D. M. 12 Agosto 1998*
- D. L. 25/02/2000, n. 66*
- Ministero della Salute-Decreto 14/06/2002*
- Ministero della Salute-Decreto 7/09/2002*
- D. L. 14 Marzo 2003, n. 65*
- Ministero dell'Interno-Decreto 28/02/2006*



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n° **SIS031/ENG**
Date: **16/10/2020**
Version: **A**
Page **15 of 16**

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

- | | |
|--|--|
| 17. Regulation (CE) No 1907/2006 REACH | 22. IMDG Code 38 |
| 18. Regulation (CE) n.1272/2008 CLP | 23. IATA ed. 70 |
| 19. D. L. 9 Aprile 2008, n. 81 | 24. Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Seventh revised edition United Nations, 2017 |
| 20. ADR2019 | |
| 21. RID2019 | |

16.3 KEY LITERATURE REFERENCES AND SOURCES FOR DATA

1. ECHA European Chemicals Agency
2. “Guidance on the compilation of safety data sheets” versione 1.1-Dicembre 2011, ECHA
3. “Guidance on Labelling and Packaging in accordance with Regulation (EC) No 1272/2008”, ECHA
4. American Conference of Governmental Industrial Hygienists (ACGIH)
5. CEFIC Emergency Response Intervention Cards
6. European Chemicals Bureau (ECB)
7. GESTIS - Substance Database The information system on hazardous substances of the Berufsgenossenschaften (German institutions for statutory accident insurance and prevention)
8. IARC International Agency for Research on Cancer
9. International Chemical Safety Cards (WHO-IPCS-ILO)
10. National Institute for Occupational Safety and Health (NIOSH) - Registry of Toxic Effects of Chemical Substances (RTECS).

16.4 CLASSIFICATION AND PROCEDURE USED TO DERIVE THE CLASSIFICATION FOR MIXTURES ACCORDING TO REGULATION (EC) 1272/2008 [CLP]

For classification according to Regulation (EC) 1272/2008 [CLP] the Rating issued by the Category Association of European weapons and civil and sporting ammunition factories has been followed.

16.5 H-PHRASES AND/OR P-STATEMENTS (NUMBER AND FULL TEXT)

Hazard statement

Mixture in the article

- H200 *Unstable explosive.*
H272 *May intensify fire; oxidizer.*
H300 *Fatal if swallowed.*
H301 *Toxic if swallowed.*
H302 *Harmful if swallowed.*
H310 *Fatal in contact with skin.*
H311 *Toxic in contact with skin.*
H319 *Causes serious eye irritation.*
H330 *Fatal if inhaled.*
H331 *Toxic if inhaled.*
H360FD *May damage fertility. May damage the unborn child.*
H362 *May cause harm to breast-fed children*
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.*
- Mixtures contained in the items composing the cartridge not mentioned above
- H228 *Flammable solid.*



CHEDDITE ITALY S.r.l.

**VOLUNTARY PRODUCT INFORMATION
BASED ON A SAFETY DATA SHEET
FORMAT**

n°	SIS031/ENG
Date:	16/10/2020
Version:	A
Page	16 of 16

**“STARS & STRIPES” SPORTING CARTRIDGES
FOR SMOOTH-BORE BARREL WEAPONS**

- H250 *Catches fire spontaneously if exposed to air.*
- H260 *In contact with water releases flammable gases which may ignite spontaneously.*
- H261 *In contact with water releases flammable gas.*
- H332 *Harmful if inhaled.*
- H351 *Suspected of causing cancer.*

16.6 WARNING

This sheet complements the technical information for use, but does not replace them.

The indications contained herein are based on what we know about the product currently and are provided in complete good faith.

The product must be used exclusively for the uses for which it was designed.

This document does not in any case dispense the user from being aware of and applying all the regulatory prescriptions concerning its activities. It will be the exclusive responsibility of the professional user to apply the precautions linked to the use of the product.

The professional user shall be fully responsible for:

- *Preparing the safety measures concerning all the cases for the usage of the product, taking into account principally the data contained in this sheet.*
- *Divulging to all those who handle the product the appropriate safety data and the warnings and advice concerning the risks mentioned throughout the documentation concerning the use of the product.*

All of the regulatory prescriptions mentioned are merely for the purpose of helping the recipient to respect the obligations that are imposed upon it when using the hazardous product. This listing is not to be considered as exhaustive and does not exonerate the recipient from respecting any other obligations incumbent upon them as a result of other regulatory sources other than those mentioned and also concerning the detention and handling of products for which it is solely responsible.

The technical assistance service of Cheddite Italy Srl is available to users to provide assistance on specific matters, as far as possible and in the context of its own knowledge.