

Safety data sheet

according to 453/2010/EC

Printing date 11.06.2015

Revision: 11.06.2015

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

- **1.1 Product identifier**
 - **Trade name: Small Arms Ammunition (Non-Tracer rounds)**
 - **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - **Sector of Use**
 SU21 Consumer uses: Private households / general public / consumers
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 SU0 Other
 - **1.3 Details of the supplier of the Safety Data Sheet**
 - **Manufacturer/Supplier:**
 HS Munitions Inc. (The Hunting Shack)
 4406 Rathbun Lane
 Stevensville, MT 59870 USA
 Tel 406-777-2106
 mail@thehuntingshack.com.
 - **1.4 Emergency telephone number:**
 ChemTel Inc.
 (800)255-3924, +1 (813)248-0585
- Poison Control Centres:
 In the United Kingdom: 844 892 0111
 In Australia: 131126
 In New Zealand: +0800 764 766



SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS01 exploding bomb

Expl. 1.4	H204	Fire or projection hazard.
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GHS06 skull and crossbones

Acute Tox. 3	H301	Toxic if swallowed.
Acute Tox. 3	H311	Toxic in contact with skin.
Acute Tox. 2	H330	Fatal if inhaled.



GHS08 health hazard

Muta. 2	H341	Suspected of causing genetic defects.
Carc. 1B	H350	May cause cancer. Route of exposure: Inhalative.
Repr. 1A	H360Df	May damage the unborn child. Suspected of damaging fertility.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.

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GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Additional information:**

Health hazards reflect highest concentration of relevant substances present.

To avoid risks to human health and the environment, comply with the instructions for use.

0 % of the mixture consists of component(s) of unknown toxicity.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS01

- **Signal word** Warning

- **Hazard statements**

H204 Fire or projection hazard.

- **Precautionary statements**

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P250 Do not subject to grinding/shock/friction.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P281 Use personal protective equipment as required.

P373 DO NOT fight fire when fire reaches explosives.

P370+P380 In case of fire: Evacuate area.

P314 Get medical advice/attention if you feel unwell.

P401 Store in accordance with local/regional/national/international regulations.

- **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

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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.

Components and percentages will vary dependent upon the choice of powders and primers. Components listed do not reflect metal/plastic casings or projectiles. Not all present will be present in every product.

Dangerous components:

CAS: 9004-70-0 EC number: 603-037-0	Nitrocellulose, colloided, granular Expl. 1.1, H201	
CAS: 55-63-0 EINECS: 200-240-8 Index number: 603-034-00-X	glycerol trinitrate / nitroglycerin Unst. Expl., H200 Acute Tox. 2, H300; Acute Tox. 1, H310; Acute Tox. 2, H330 STOT RE 2, H373 Aquatic Chronic 2, H411 Flam. Liq. 2, H225	
CAS: 84-74-2 EINECS: 201-557-4 Index number: 607-318-00-4	dibutyl phthalate Repr. 1B, H360Df Aquatic Acute 1, H400	
CAS: 122-39-4 EINECS: 204-539-4 Index number: 612-026-00-5	diphenylamine Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 STOT RE 2, H373 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 121-14-2 EINECS: 204-450-0 Index number: 609-007-00-9	2,4-dinitrotoluene Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 Muta. 2, H341; Carc. 1B, H350; Repr. 2, H361f; STOT RE 2, H373 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 7778-74-7 EINECS: 231-912-9 Index number: 017-008-00-5	potassium perchlorate Ox. Sol. 1, H271 Acute Tox. 4, H302	
CAS: 7757-79-1 EINECS: 231-818-8	potassium nitrate Ox. Sol. 2, H272	
CAS: 18282-10-5 EINECS: 242-159-0	tin dioxide substance with a Community workplace exposure limit	
CAS: 7782-42-5 EINECS: 231-955-3	Graphite substance with a Community workplace exposure limit	
CAS: 13114-72-2 EINECS: 236-039-7	3-methyl-1,1-diphenylurea Acute Tox. 4, H302; Eye Irrit. 2, H319	

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CAS: 86-30-6 EINECS: 201-663-0	nitrosodiphenylamine ⚠ Acute Tox. 4, H302	
CAS: 8050-09-7 EINECS: 232-475-7 Index number: 650-015-00-7	Rosin ⚠ Skin Sens. 1, H317	
CAS: 10042-76-9 EINECS: 233-131-9	strontium nitrate ⚠ Ox. Sol. 2, H272	
CAS: 1314-18-7 EINECS: 215-224-6	strontium peroxide ⚠ Ox. Liq. 2, H272	
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	
CAS: 1345-04-6 EINECS: 215-713-4	antimony sulphide substance with a Community workplace exposure limit	≤ 2,5%
CAS: 15245-44-0 EINECS: 239-290-0 Index number: 609-019-00-4	lead 2,4,6-trinitro-m-phenylene dioxide ⚠ 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	≤ 2,5%
CAS: 12403-82-6 EINECS: 235-642-2	dihydroxy[styphnato(2-)]dilead / lead styphnate ⚠ Unst. Expl., H200 ⚠ Acute Tox. 3, H301; Acute Tox. 2, H330 ⚠ Carc. 1B, H350; Repr. 2, H361; STOT RE 2, H373 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤ 2,5%
CAS: 13424-46-9 EINECS: 236-542-1 Index number: 082-003-00-7	lead diazide ⚠ 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	≤ 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: 109-27-3 EINECS: 203-659-4	4-amidino-N'-nitroso-1-tetrazene-1-carboximidohydrazide ⚠ Unst. Expl., H200 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	≤ 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: 10022-31-8 EINECS: 233-020-5 Index number: 056-002-00-7	barium nitrate ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	≤ 2,5%
CAS: 65997-17-3 EINECS: 266-046-0	Fibrous glass ⚠ Carc. 1B, H350	≤ 2,5%

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· **SVHC**

84-74-2	dibutyl phthalate
121-14-2	2,4-dinitrotoluene
15245-44-0	lead 2,4,6-trinitro-m-phenylene dioxide
13424-46-9	lead diazide

· **Additional information:**

For the listed ingredients, 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:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

· **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.

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** Blast injury if mishandled.

· **Hazards**

Danger of blast or crush-type injuries.

Danger of impaired breathing.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

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:**

Water in flooding quantities.

DO NOT fight fire when fire reaches explosives.

· **For safety reasons unsuitable extinguishing agents:** None.

· **5.2 Special hazards arising from the substance or mixture**

Fire or projection hazard.

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

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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.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

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**

Wear protective clothing.

Ensure adequate ventilation

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 unusable material as waste according to item 13.

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:**

Fire or projection hazard.

DO NOT fight fire when fire reaches explosives.

Protect against electrostatic charges.

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.

Protect from humidity and water.

Provide ventilation for receptacles.

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- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** 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 item 7.
- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

55-63-0 glycerol trinitrate / nitroglycerin

PEL (USA)	Ceiling limit: 2 mg/m ³ , 0,2 ppm Skin
REL (USA)	Short-term value: 0,1 mg/m ³ Skin
TLV (USA)	Long-term value: 0,46 mg/m ³ , 0,05 ppm Skin
AGW (Germany)	Long-term value: 0,094 mg/m ³ , 0,01 ppm 1(II);H, Y, DFG

84-74-2 dibutyl phthalate

PEL (USA)	Long-term value: 5 mg/m ³
REL (USA)	Long-term value: 5 mg/m ³
TLV (USA)	Long-term value: 5 mg/m ³
AGW (Germany)	Long-term value: 0,58 mg/m ³ , 0,05 ppm 2(I);DFG, Y, 11

122-39-4 diphenylamine

REL (USA)	Long-term value: 10 mg/m ³
TLV (USA)	Long-term value: 10 mg/m ³
AGW (Germany)	Long-term value: 5 E mg/m ³ 2 (II);DFG, Y, H

18282-10-5 tin dioxide

IOELV (EU)	Long-term value: 2 mg/m ³ as Sn
REL (USA)	Long-term value: 2 mg/m ³ as Sn
TLV (USA)	Long-term value: 2 mg/m ³ as Sn
AGW (Germany)	Long-term value: 2 E mg/m ³ EU, 13, 10

7782-42-5 Graphite

PEL (USA)	Long-term value: 15 mppcf* mg/m ³ *impinger samples counted by light field techn.
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REL (USA)	Long-term value: 2,5* mg/m ³ *respirable dust
TLV (USA)	Long-term value: 2* mg/m ³ all forms except graphite fibers;*resp. fraction
AGW (Germany)	Long-term value: 1,25* 10** mg/m ³ 2(II);*alveolengängig**einatembar; AGS, DFG
8050-09-7 Rosin	
TLV (USA)	DSEN, RSEN, L
MAK (Germany)	vgl. Abschn. IV
10042-76-9 strontium nitrate	
MAK (Germany)	vgl. Abschn. IIb
1314-18-7 strontium peroxide	
MAK (Germany)	vgl. Abschn. IIb
1345-04-6 antimony sulphide	
PEL (USA)	Long-term value: 0,5 mg/m ³ as Sb
REL (USA)	Long-term value: 0,5 mg/m ³ as Sb
TLV (USA)	Long-term value: 0,5 mg/m ³ as Sb
MAK (Germany)	vgl. Abschn. XII, einatembare Fraktion
13424-46-9 lead diazide	
PEL (USA)	Long-term value: 0,05 mg/m ³ as Pb; See 29 CFR 1910,1025
REL (USA)	Long-term value: 0,05* mg/m ³ as Pb;*8-hr TWA; See Pocket Guide App. C
TLV (USA)	Long-term value: 0,05 mg/m ³ as Pb; BEI
592-87-0 lead dithiocyanate	
PEL (USA)	Long-term value: 5 mg/m ³ as CN; Skin
MAK (Germany)	Long-term value: 2E mg/m ³ als CN
10022-31-8 barium nitrate	
IOELV (EU)	Long-term value: 0,5 mg/m ³ as Ba
PEL (USA)	Long-term value: 0,5 mg/m ³ as Ba
REL (USA)	Long-term value: 0,5 mg/m ³ as Ba

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TLV (USA)	Long-term value: 0,5 mg/m ³ as Ba
AGW (Germany)	Long-term value: 0,5 E mg/m ³ 1(I);EU, 13, 10, 15

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.

· **Ingredients with biological limit values:**

55-63-0 glycerol trinitrate / nitroglycerin

BGW (Germany)	0,5 µg/l Untersuchungsmaterial: Plasma/Serum Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: 1,2- Glycerindinitrat
	0,5 µg/l Untersuchungsmaterial: Plasma/Serum Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: 1,3- Glycerindinitrat

13424-46-9 lead diazide

BEI (USA)	30 µg/100 ml Medium: blood Time: not critical Parameter: Lead
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- **Additional information:** No further relevant information available.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Use suitable respiratory protective device when high concentrations are present.

· **Protection of hands:**

Wear gloves for the protection against mechanical hazards according to NIOSH or EN 388.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **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.

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· **Eye protection:**



Safety glasses

· **Body protection:**

Not required under normal conditions of use.
Protection may be required for spills.

· **Limitation and supervision of exposure into the environment**

No further relevant information available.

· **Risk management measures** No further relevant information available.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Solid material
Colour: According to product specification

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable.

· **Change in condition**

Melting point/Melting range: Not Determined.

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:** Not determined.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Oxidising properties** Contains oxidizing agent.

· **Vapour pressure:** Not applicable.

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapour density** Not applicable.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with water:**

Variable, dependent upon product composition and packaging.

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not applicable.
 - Kinematic:** Not applicable.
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **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.
Acts as an oxidising agent on organic materials such as wood, paper and fats.
Toxic fumes may be released if heated above the decomposition point.
- **10.4 Conditions to avoid** Excessive heat.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides
Leadoxide vapour
Toxic metal oxide smoke

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

55-63-0 glycerol trinitrate / nitroglycerin

Oral	LD50	115 mg/kg (mouse) 105 mg/kg (rat)
Dermal	LD50	29 mg/kg (rat) 280 mg/kg (rabbit)

84-74-2 dibutyl phthalate

Oral	LD50	8000 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)

122-39-4 diphenylamine

Oral	LD50	1120 mg/kg (rat)
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121-14-2 2,4-dinitrotoluene

Oral	LD50	268 mg/kg (rat)
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15245-44-0 lead 2,4,6-trinitro-m-phenylene dioxide

Oral	LD50	650 mg/kg (rat)
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3811-04-9 potassium chlorate

Oral	LD50	1870 mg/kg (rat)
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10022-31-8 barium nitrate

Oral	LD50	355 mg/kg (rat)
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- **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**
Contains Rosin. May produce an allergic reaction.
Sensitisation possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Toxic
Harmful
Irritant
Very toxic
The product can cause deformations.
Danger through skin adsorption.
Toxic and/or corrosive effects may be delayed up to 24 hours.
0 % of the mixture consists of component(s) of unknown toxicity.
- **Acute effects (acute toxicity, irritation and corrosivity):**
Danger of blast or crush-type injuries.
Toxic if swallowed or in contact with skin.
- **Sensitisation:** May cause an allergic skin reaction.
- **Repeated dose toxicity:**
Chronic inhalation of post-use dusts/mists/fumes/gases may cause disease.
Danger of very serious irreversible effects.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
Muta. 2, Carc. 1B, Repr. 1A
- **Germ cell mutagenicity** Suspected of causing genetic defects.
- **Carcinogenicity** May cause cancer. Route of exposure: Inhalative.
- **Reproductive toxicity** May damage fertility or the unborn child.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Toxic for aquatic organisms
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** May be accumulated in organism

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- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
The product contains heavy metals. Avoid transfer into the environment. Specific preliminary treatments are necessary
Toxic for aquatic organisms
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
- **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.
Incinerate in accordance with local, state and federal regulations.
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** UN0012
- **14.2 UN proper shipping name**
- **DOT** Cartridges for weapons, inert projectile
- **ADR** 0012 CARTRIDGES, SMALL ARMS
- **IMDG, IATA** CARTRIDGES, SMALL ARMS
- **14.3 Transport hazard class(es)**
- **DOT**
-  1.4
- **Class** 1.4S

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<ul style="list-style-type: none"> · Label 	1.4
<hr style="border-top: 1px dashed black;"/>	
<ul style="list-style-type: none"> · ADR, IMDG, IATA 	
	
<ul style="list-style-type: none"> · Class · Label · 14.4 Packing group · DOT, ADR, IMDG, IATA · 14.5 Environmental hazards: · Marine pollutant: · 14.6 Special precautions for user · EMS Number: · Segregation groups · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code · Transport/Additional information: 	1.4 1.4S II Product contains environmentally hazardous substances: dibutyl phthalate, diphenylamine No Not applicable. F-A,S-Q Heavy metals and their salts (including their organometallic compounds), chlorates, perchlorates Not applicable.
<hr style="border-top: 1px dashed black;"/>	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code 	5 kg Code: E0 Not permitted as Excepted Quantity 2 D/E
<hr style="border-top: 1px dashed black;"/>	
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) · UN "Model Regulation": 	500 g Code: E4 Maximum net quantity per inner packaging: 1 g Maximum net quantity per outer packaging: 500 g UN0012, CARTRIDGES, SMALL ARMS, ENVIRONMENTALLY HAZARDOUS, 1.4S, II

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Carcinogenic Categories**

· **IARC (International Agency for Research on Cancer)**

121-14-2	2,4-dinitrotoluene	2B
86-30-6	nitrosodiphenylamine	3
1345-04-6	antimony sulphide	3
13424-46-9	lead diazide	2A

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· **TLV (Threshold Limit Value established by ACGIH)**

122-39-4	diphenylamine	A4
13424-46-9	lead diazide	A3
10022-31-8	barium nitrate	A4

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

84-74-2	dibutyl phthalate
121-14-2	2,4-dinitrotoluene
15245-44-0	lead 2,4,6-trinitro-m-phenylene dioxide
13424-46-9	lead diazide

· **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.
- H250 Catches fire spontaneously if exposed to air.
- H260 In contact with water releases flammable gases which may ignite spontaneously.
- H271 May cause fire or explosion; strong oxidiser.
- 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.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H341 Suspected of causing genetic defects.
- H350 May cause cancer. Route of exposure: Inhalative.
- H360Df May damage the unborn child. Suspected of damaging fertility.
- H361 Suspected of damaging fertility or the unborn child.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.

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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)

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

Pyr. Sol. 1: Pyrophoric Solids, Hazard Category 1

Water-react. 1: Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 1

Ox. Liq. 2: Oxidising Liquids, Hazard Category 2

Ox. Sol. 1: Oxidising Solids, Hazard Category 1

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

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Muta. 2: Germ cell mutagenicity, Hazard Category 2

Carc. 1B: Carcinogenicity, Hazard Category 1B

Repr. 1A: Reproductive toxicity, Hazard Category 1A

Repr. 1B: Reproductive toxicity, Hazard Category 1B

Repr. 2: Reproductive toxicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, 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

• **Sources**

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