



# Rifle, Pistol Primers – CCI/SPEER

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Name:** Small arms primers

**Product Code:** 200, 250, 300, 350, 400, 450, 500, 525, 550

#### Intended Use of the Product

Small arms ammunition manufacturing and reloading

#### Name, Address, and Telephone of the Responsible Party

##### Company

Federal Cartridge Company d/b/a CCI/Speer

2299 Snake River Avenue

Lewiston< ID 83501

T 1-800-635-7656

#### Emergency Telephone Number

**Emergency number** : 1-800-424-9300 (Inside US), 01-703-527-3887 (Outside US) - (CHEMTREC, Day or Night)

#### NZ DISTRIBUTOR

Steve's Wholesale Ltd. Units 5 – 7 / 408 The

Esplanade

Island Bay Wellington 6023

team@steveswholesale.nz

Emergency Contact: Steve Collings

0800 303 303

0274 905 708

Poison Control 0800 POISON (0800 764 766)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### Classification (GHS-US)

Expl. 1.4S H204

Acute Tox. 3 (Oral) H301

Acute Tox. 4 (Inhalation:dust,mist) H332

Repr. 1A H360

STOT RE 2 H373

#### Label Elements

##### GHS-US Labeling

##### Hazard Pictograms (GHS-US)



**Signal Word (GHS-US)** : Danger

##### Hazard Statements (GHS-US)

: H204 - Fire or projection hazard.  
H301+H332 - Toxic if swallowed, or if inhaled.  
H360 - May damage fertility or the unborn child.  
H373 - May cause damage to organs through prolonged or repeated exposure.

##### Precautionary Statements (GHS-US)

: P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, open flames. - No smoking.  
P250 - Do not subject to friction, grinding, shock.  
P260 - Do not breathe dust, fume.  
P264 - Wash hands, forearms and exposed areas thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective clothing, protective gloves, eye protection.  
P284 - [In case of inadequate ventilation] Wear respiratory protection.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P310 - Immediately call a POISON CENTER/doctor.  
P320 - Specific treatment is urgent (see Section 4).

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P330 - Rinse mouth.  
P361 - Take off immediately all contaminated clothing.  
P363 - Wash contaminated clothing before reuse.  
P374 - Fight fire with normal precautions from a reasonable distance.  
P401 - Store in accordance with, local, regional, national, territorial, provincial, and international regulations.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P501 - Dispose of contents according to local, regional, national, territorial, provincial, and international regulations.

### Other Hazards

**Hazards Not Contributing to the Classification:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Lead and barium are toxic metals that may be released during the firing of primers. Care should be taken in the cleaning of range facilities to minimize the exposure potential to lead and barium. Persons engaged in these activities should wear protective clothing with an appropriate respirator. Range operators should consult OSHA 1910.1025 for details pertaining to the handling of lead in the work environment.

**Unknown Acute Toxicity (GHS-US)** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

| Name  | Product identifier  | % (w/w) | Classification (GHS-US)   |
|---|---------------------|---------|---|
| Copper                                      | (CAS No) 7440-50-8  | 60-70   | Comb. Dust<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412  |
| Zinc  | (CAS No) 7440-66-6  | 2-30    | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| Barium                                      | (CAS No) 7440-39-3  | 1 - 2   | Water-react. 2, H261<br>Acute Tox. 3 (Oral), H301<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>STOT SE 3, H335  |
| 1,3-Benzenediol, 2,4,6-trinitro-, lead salt | (CAS No) 15245-44-0 | 1 - 2   | Unst. Expl, H200<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Repr. 1A, H360<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

The ecotoxicological information applies to the materials encased within the product.

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Call a POISON CENTER/doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:** Rinse mouth. Do not induce vomiting. Get medical advice and attention if you feel unwell.

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### **Most Important Symptoms and Effects Both Acute and Delayed**

**General:** Toxic if swallowed, in contact with skin or if inhaled. Projectiles from fired cartridges can cause puncture wounds. When cartridges are fired or otherwise discharged, dust, vapors, and/or fumes may be absorbed by the digestive system and can result in both acute and chronic overexposure. Ingestion of a complete primer can cause irritation to the digestive system, and possibly other unknown health effects.

**Inhalation:** Fatal if inhaled.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Ingestion:** Toxic if swallowed.

**Chronic Symptoms:** May damage fertility. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Foam, water fog or spray. Fight fire with normal precautions from a reasonable distance.

**Unsuitable Extinguishing Media:** Fight fire with normal precautions from a reasonable distance.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** May ignite if heated to 250 °F (121 °C) causing projection of unconfined primers.

**Explosion Hazard:** Explosive. Explosion risk in case of fire.

**Reactivity:** May detonate with friction, impact, and heat.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Do not breathe fumes from fires or vapors from decomposition.

**Firefighting Instructions:** Exercise caution when fighting any chemical fire. Fight fire with normal precautions from a reasonable distance.

**Protection During Firefighting:** Firefighters should wear full protective gear when fighting or downwind of initial fire.

**Hazardous Combustion Products:** Metal oxides. Nitrogen oxides. Carbon oxides (CO, CO<sub>2</sub>).

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Avoid skin and eye contact. Do not breathe dust or fumes. Remove ignition sources. No naked lights. No smoking. Evacuate danger area. Do not allow product to spread into the environment.

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

### **Environmental Precautions**

Avoid release to the environment.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain and collect as any solid. Use only non-sparking tools.

**Methods for Cleaning Up: DO NOT SWEEP SPILLED PRIMERS INTO A PILE.** Spray spilled primers with a water/detergent mixture. Do not allow primers to become dry.

### **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Additional Hazards When Processed:** Projectiles from fired cartridges can cause puncture wounds. Remove cartridges from service if any of the following conditions have occurred: corrosion, physical damage, exposure to oil or spray type lubricants.

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**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

### **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

**Storage Conditions:** KEEP IN ORIGINAL CONTAINER. Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Storage Area:** Store locked up.

**Specific End Use(s)** Small arms primer

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control Parameters**

| <b>Copper (7440-50-8)</b> |                                      |                       |
|---------------------------|--------------------------------------|-----------------------|
| USA ACGIH                 | ACGIH TWA (mg/m <sup>3</sup> )       | 0.2 mg/m <sup>3</sup> |
| USA OSHA                  | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 1 mg/m <sup>3</sup>   |
| USA NIOSH                 | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 0.1 mg/m <sup>3</sup> |
| USA IDLH                  | US IDLH (mg/m <sup>3</sup> )         | 100 mg/m <sup>3</sup> |
| Alberta                   | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>   |
| British Columbia          | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> |
| Manitoba                  | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> |
| New Brunswick             | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>   |
| Newfoundland & Labrador   | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> |
| Nova Scotia               | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> |
| Nunavut                   | OEL STEL (mg/m <sup>3</sup> )        | 2 mg/m <sup>3</sup>   |
| Nunavut                   | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>   |
| Northwest Territories     | OEL STEL (mg/m <sup>3</sup> )        | 2 mg/m <sup>3</sup>   |
| Northwest Territories     | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>   |
| Ontario                   | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>   |
| Prince Edward Island      | OEL TWA (mg/m <sup>3</sup> )         | 0.2 mg/m <sup>3</sup> |
| Québec                    | VEMP (mg/m <sup>3</sup> )            | 1 mg/m <sup>3</sup>   |
| Saskatchewan              | OEL STEL (mg/m <sup>3</sup> )        | 3 mg/m <sup>3</sup>   |
| Saskatchewan              | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>   |
| Yukon                     | OEL STEL (mg/m <sup>3</sup> )        | 2 mg/m <sup>3</sup>   |
| Yukon                     | OEL TWA (mg/m <sup>3</sup> )         | 1 mg/m <sup>3</sup>   |

| <b>Barium (7440-39-3)</b> |                                |                       |
|---------------------------|--------------------------------|-----------------------|
| USA ACGIH                 | ACGIH TWA (mg/m <sup>3</sup> ) | 0.5 mg/m <sup>3</sup> |
| Alberta                   | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |
| British Columbia          | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |
| Manitoba                  | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |
| New Brunswick             | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |
| Newfoundland & Labrador   | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |
| Nova Scotia               | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |
| Ontario                   | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |
| Prince Edward Island      | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |
| Saskatchewan              | OEL STEL (mg/m <sup>3</sup> )  | 1.5 mg/m <sup>3</sup> |
| Saskatchewan              | OEL TWA (mg/m <sup>3</sup> )   | 0.5 mg/m <sup>3</sup> |

### **Exposure Controls**

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

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**Personal Protective Equipment:** Gloves. Protective goggles. Protective clothing.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wash contaminated clothing before reuse.

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|   |                                  |
|---|----------------------------------|
| Physical State                                    | : Solid                          |
| Appearance  | : Not available                  |
| Odor  | : Not available                  |
| Odor Threshold                                    | : Not available                  |
| pH  | : Not available                  |
| Evaporation Rate                                  | : Not available                  |
| Melting Point                                     | : Not available                  |
| Freezing Point                                    | : Not available                  |
| Boiling Point                                     | : Not available                  |
| Flash Point                                       | : Not available                  |
| Auto-ignition Temperature                         | : Not available                  |
| Decomposition Temperature                         | : Not available                  |
| Flammability (solid, gas)                         | : Not available                  |
| Lower Flammable Limit                             | : Not available                  |
| Upper Flammable Limit                             | : Not available                  |
| Vapor Pressure                                    | : Not available                  |
| Relative Vapor Density at 20 °C                   | : Not available                  |
| Relative Density                                  | : Not available                  |
| Specific Gravity                                  | : Not available                  |
| Solubility  | : Not available                  |
| Partition coefficient: n-octanol/water            | : Not available                  |
| Viscosity   | : Not available                  |
| Explosive properties                              | : Fire or projection hazard      |
| Explosion Data – Sensitivity to Mechanical Impact | : Sensitive to mechanical impact |
| Explosion Data – Sensitivity to Static Discharge  | : Not sensitive                  |

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** May detonate with friction, impact, and heat. Will not propagate.

**Chemical Stability:** Risk of explosion by shock, friction, fire or other sources of ignition.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Heat. Sparks. Open flame. Overheating. Extremely high or low temperatures. Direct sunlight.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products:** None known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity:** Fatal if swallowed. Fatal if inhaled.

**LD50 and LC50 Data:**

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| <b>Powerloads</b>   |                         |
|---------------------|-------------------------|
| ATE US (oral)       | 5.00 mg/kg body weight  |
| ATE US (dermal)     | 50.00 mg/kg body weight |
| ATE US (dust, mist) | 0.05 mg/l/4h            |

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** May cause damage to organs through prolonged or repeated exposure.

**Reproductive Toxicity:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Fatal if inhaled.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** Fatal if swallowed.

**Chronic Symptoms:** May damage fertility. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure.

### Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

| <b>Barium (7440-39-3)</b> |           |
|---------------------------|-----------|
| LD50 Oral Rat             | 132 mg/kg |

| <b>1,3-Benzenediol, 2,4,6-trinitro-, lead salt (15245-44-0)</b> |                          |
|---|--------------------------|
| ATE US (oral)   | 500.00 mg/kg body weight |
| ATE US (dust, mist)   | 1.50 mg/l/4h             |

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecology - General:** The ecotoxicological information applies to the materials encased within the product..

| <b>Zinc (7440-66-6)</b> |   |
|-------------------------|---|
| LC50 Fish 1             | 2.16 - 3.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])  |
| EC50 Daphnia 1          | 0.139 - 0.908 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])            |
| LC 50 Fish 2            | 0.211 - 0.269 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static]) |

| <b>Copper (7440-50-8)</b>      |  |
|--------------------------------|--|
| LC50 Fish 1                    | 0.0068 - 0.0156 mg/l (Exposure time: 96 h - Species: Pimephales promelas)                      |
| EC50 Daphnia 1                 | 0.03 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])                              |
| EC50 Other Aquatic Organisms 1 | 0.0426 - 0.0535 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static]) |
| LC 50 Fish 2                   | 0.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])                         |
| EC50 Other Aquatic Organisms 2 | 0.031 - 0.054 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [static])   |

### Persistence and Degradability

| <b>Small Arms Primers</b>     |  |
|-------------------------------|--|
| Persistence and Degradability | Not established. May cause long-term adverse effects in the environment. |

| <b>Copper (7440-50-8)</b>     |                            |
|-------------------------------|----------------------------|
| Persistence and Degradability | Not readily biodegradable. |

### Bioaccumulative Potential

| <b>Small Arms Primers</b> |                  |
|---------------------------|------------------|
| Bioaccumulative Potential | Not established. |

**Mobility in Soil** Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

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### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 In Accordance with DOT

The environmentally hazardous substance mark is not required when transported in sizes of .5 L or ≤5 kg.

**Proper Shipping Name** : PRIMERS, CAP TYPE  
**Hazard Class** : 1.4S  
**Identification Number** : UN0044  
**Label Codes** : 1.4S  
**Packing Group** : II  
**ERG Number** : 114



#### 14.2 In Accordance with IMDG

**Proper Shipping Name** : PRIMERS, CAP TYPE  
**Hazard Class** : 1  
**Identification Number** : UN0044  
**Label Codes** : 1.4S  
**EmS-No. (Fire)** : F-B  
**EmS-No. (Spillage)** : S-X  
**MFAG Number** : 114



#### 14.3 In Accordance with IATA

**Proper Shipping Name** : PRIMERS, CAP TYPE  
**Identification Number** : UN0044  
**Hazard Class** : 1  
**Label Codes** : 1.4S  
**ERG Code (IATA)** : 1L



#### 14.4 In Accordance with TDG

**Proper Shipping Name** : PRIMERS, CAP TYPE  
**Packing Group** : II  
**Hazard Class** : 1.4S  
**Identification Number** : UN0044  
**Label Codes** : 1.4S



### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

HSR100265

|   |   |
|---|---|
| <b>Small Arms Primers</b>   |   |
| <b>SARA Section 311/312 Hazard Classes</b>  | Immediate (acute) health hazard<br>Delayed (chronic) health hazard<br>Sudden release of pressure hazard |
| <b>Zinc (7440-66-6)</b>   |   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Listed on United States SARA Section 313 |   |
| <b>SARA Section 313 - Emission Reporting</b>  | 1.0 % (dust or fume only)   |
| <b>Nitrocellulose (9004-70-0)</b>   |   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory   |   |
| <b>Copper (7440-50-8)</b>   |   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Listed on United States SARA Section 313 |   |
| <b>SARA Section 313 - Emission Reporting</b>  | 1.0 %   |
| <b>Nitroglycerin (55-63-0)</b>  |   |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory   |   |

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|   |       |
|---|-------|
| Listed on United States SARA Section 313                                  |       |
| <b>SARA Section 313 - Emission Reporting</b>                              | 1.0 % |
| <b>Barium (7440-39-3)</b>   |       |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |       |
| Listed on United States SARA Section 313                                  |       |
| <b>SARA Section 313 - Emission Reporting</b>                              | 1.0 % |
| <b>1,3-Benzenediol, 2,4,6-trinitro-, lead salt (15245-44-0)</b>           |       |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |       |

### US State Regulations

|   |  |
|---|--|
| <b>Zinc (7440-66-6)</b>   |  |
| U.S. - Massachusetts - Right To Know List                             |  |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |  |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |  |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |  |
| <b>Nitrocellulose (9004-70-0)</b>                                     |  |
| U.S. - Massachusetts - Right To Know List                             |  |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |  |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |  |
| <b>Copper (7440-50-8)</b>   |  |
| U.S. - Massachusetts - Right To Know List                             |  |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |  |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |  |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |  |
| <b>Nitroglycerin (55-63-0)</b>  |  |
| U.S. - Massachusetts - Right To Know List                             |  |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |  |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |  |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |  |
| <b>Barium (7440-39-3)</b>   |  |
| U.S. - Massachusetts - Right To Know List                             |  |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |  |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |  |
| U.S. - Pennsylvania - RTK (Right to Know) List                        |  |
| <b>1,3-Benzenediol, 2,4,6-trinitro-, lead salt (15245-44-0)</b>       |  |
| U.S. - Massachusetts - Right To Know List                             |  |
| U.S. - New Jersey - Right to Know Hazardous Substance List            |  |

### Canadian Regulations

|   |   |
|---|---|
| <b>Small Arms Primers</b>   |   |
| WHMIS Classification  | Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects<br>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects<br>Class F - Dangerously Reactive Material<br><b>Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.</b> |
|    |   |

|   |   |
|---|---|
| <b>Zinc (7440-66-6)</b>                               |   |
| Listed on the Canadian DSL (Domestic Substances List) |   |
| WHMIS Classification                                  | Uncontrolled product according to WHMIS classification criteria |



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|   |   |
|---|---|
| <b>Nitrocellulose (9004-70-0)</b>                               |   |
| Listed on the Canadian DSL (Domestic Substances List)           |   |
| WHMIS Classification  | <b>Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.</b>       |
| <b>Copper (7440-50-8)</b>                                       |   |
| Listed on the Canadian DSL (Domestic Substances List)           |   |
| Listed on the Canadian IDL (Ingredient Disclosure List)         |   |
| IDL Concentration 1 %   |   |
| WHMIS Classification  | Uncontrolled product according to WHMIS classification criteria   |
| <b>Nitroglycerin (55-63-0)</b>                                  |   |
| Listed on the Canadian DSL (Domestic Substances List)           |   |
| WHMIS Classification  | <b>Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.</b>       |
| <b>Barium (7440-39-3)</b>                                       |   |
| Listed on the Canadian DSL (Domestic Substances List)           |   |
| WHMIS Classification  | Class B Division 6 - Reactive Flammable Material<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
| <b>1,3-Benzenediol, 2,4,6-trinitro-, lead salt (15245-44-0)</b> |   |
| Listed on the Canadian DSL (Domestic Substances List)           |   |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision date** : 2/4/2015 SW Revision Date 05.09.2019  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

|                                     |   |
|-------------------------------------|---|
| Acute Tox. 2 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2                                    |
| Acute Tox. 2 (Oral)                 | Acute toxicity (oral) Category 2  |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral) Category 3  |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                                    |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral) Category 4  |
| 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                    |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment - Chronic Hazard Category 3                    |
| Comb. Dust                          | Combustible Dust  |
| Expl. 1.4                           | Explosive Category 1.4  |
| Eye Irrit. 2A                       | Serious eye damage/eye irritation Category 2A                                       |
| Flam. Sol. 1                        | Flammable solids Category 1   |
| Repr. 1A                            | Reproductive toxicity Category 1A   |
| Skin Irrit. 2                       | Skin corrosion/irritation Category 2  |
| STOT RE 2                           | Specific target organ toxicity (repeated exposure) Category 2                       |
| STOT SE 3                           | Specific target organ toxicity (single exposure) Category 3                         |
| Water-react. 2                      | Substances and mixtures which in contact with water emit flammable gases Category 2 |
| H204                                | Fire or projection hazard   |
| H228                                | Flammable solid   |
| Comb. Dust                          | May form combustible dust concentrations in air                                     |
| H261                                | In contact with water releases flammable gases                                      |
| H300                                | Fatal if swallowed  |

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|      |   |
|------|---|
| H301 | Toxic if swallowed  |
| H302 | Harmful if swallowed  |
| H315 | Causes skin irritation  |
| H319 | Causes serious eye irritation                                     |
| H330 | Fatal if inhaled  |
| H332 | Harmful if inhaled  |
| H335 | May cause respiratory irritation                                  |
| H360 | May damage fertility or the unborn child                          |
| 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                 |

### Party Responsible for the Preparation of This Document

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1-800-635-7656

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS US 2012 & WHMIS 2