Brass Blank Ammunition

Company Information

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1. Product Identification

Synonyms: *Ammunition blank, "RED TIP"* ***Product Codes:*** *APPLIES TO ALL LOAD LEVELS*
Calibers: *.223 M200A1 RED TIP ONLY*

2. Composition/Information on Ingredients

Ingredient	*CAS No*	*Percent*	*EC No.*	*EU Classification*
Primer composed of:				
Copper	*7440-50-8*	*55-96*	*231-159-6*	*None*
Zinc	*7440-66-6*	*10-55*	*231-175-3*	*F (dust); R 15-17*
Lead styphnate	*15245-44-0*	*4-5*	*239-290-0*	*E, T, N; R61-3-20/22-33-50/53-62*
Barium nitrate	*10022-31-8*	*3-3.5*	*233-020-5*	*O*; R8*
Antimony sulfide	*1345-04-6*	*1-5*	*215-731-4*	*None*
Propellant composed of:				
Nitroglycerin	*55-63-0*	*4-40*	*200-240-8*	*E,T,N; R3, 23/24/25/26/27/28, 33, 51-53*
Nitrocellulose	*9004-70-0*	*Remainder*	*not found*	*F; R 11*
Brass casing				
Copper, Zinc	*7440-50-8*	*70*		
	7440-66-6	*30*		*None*

3. Hazards Identification

Emergency Overview: *Danger! Extremely flammable. Explosive. Accidental fire or explosion is likely to cause severe injury or death. Keep away from heat and flame. Do not subject to mechanical shock. Particles from firing may be harmful if inhaled.*

HMIS Classification	***NFPA Rating***
Health Hazard*: 2*	***Health Hazard****: 2*
Chronic Health Hazard*: **	***Fire****: 3*
Flammability*: 3*	***Reactivity Hazard****: 3*
Physical hazards*: 3 (Explosive)*	***Special Hazard:***

Lab Protective Equipment: *Goggles, Gloves, Face Shield, Apron, Class B extinguisher*
Storage Color Code: *Red (Flammable)*
Potential Health Effects*: This product is composed of a metal capsule which contains the various components completely sealed within. Therefore, under normal handling of this product, no exposure to any harmful materials will occur. When the product is fired, a small amount of particles may be generated which may be slightly irritating to the eyes and the respiratory tract.*
Inhalation: *Harmful if inhaled. May cause headache, dizziness and nausea.*
Ingestion: *Harmful if swallowed. May cause abdominal pain, constipation, cramps, nausea, vomiting, stomach pain, cyanosis, skeletal muscle paralysis, irregular heartbeat, hypertension and respiratory arrest.*
Skin Contact: *May cause irritation, redness and pain. Absorption through skin may cause symptoms that parallel ingestion. May cause an allergic reaction.*

Eye Contact: *May cause redness, pain, corneal damage and retinal damage from particulate exposure.*
Chronic Exposure: *May aggravate anemia, cardiovascular disease and respiratory disease.*
Aggravation of Pre-existing Conditions: *Persons with pre-existing skin disorders, anemia, heart condition or impaired liver, kidney, or pulmonary function may be more susceptible to the effects of this agent.*

4. First Aid Measures

Inhalation: *Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.*
Ingestion: *Give large amounts of water to drink if conscious, but do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.*
Skin Contact: *Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms develop.*
Eye Contact: *Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.*

5. Fire Fighting Measures

Fire: *Materials contained within the shell are flammable.*
Explosion: *Materials contained within the shell are explosive. Shells may detonate if exposed to heat, flame, friction, impact, static discharge or mechanical shock.*
Fire Extinguishing Media: *Water spray, dry chemical, earth, or carbon dioxide. Water spray may be used to keep fire exposed containers cool and to protect personnel attempting to fight fire and disperse vapors.*
Special Information: *In the event of a fire, evacuate area immediately and contact professional fire fighters who should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-facepiece operated in the pressure demand or other positive pressure mode and turnout gear to protect from explosive characteristics of this product.*

6. Accidental Release Measures

Spills of the material contained within the shells represent an explosion hazard sensitive to heat, shock, friction, static discharge and impact. Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Use non-sparking tools and equipment. Clean up spills with a soft bristle brush and rubber pan or with rubber shovel. Use conductive containers to avoid static build up. Avoid pinching material and metal-to-metal contact. Avoid sharp objects, sand, glass, grit or other material that sensitizes explosives. Disposal should be carried out by qualified personnel only.

7. Handling and Storage

Flammable: *Protect against physical damage. Store in a cool, dry well-ventilated location below 65.5C (150F), away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Shells may be hazardous when empty since they retain product residues (vapors, dust); observe all warnings and precautions listed for the product. Do not pressurize or expose containers to heat, flame, sparks, static electricity or other sources of ignition. Follow appropriate explosive safety measures. Avoid exposure to sunlight and artificial ultraviolet light. Do not keep deteriorated or salvaged powders.*

8. Exposure Controls/Personal Protection

Airborne Exposure Limits *(lowest value for any component)****:*** *-OSHA Permissible Exposure Limit (PEL): 0.1mg/m^3; 0.2ppm (skin); -ACGIH Threshold Limit Value (TLV): 0.2mg/m^3; 0.05ppm (skin)*
Ventilation System: *A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.*

Personal Respirators (NIOSH-Approved): *Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges with particulate filter as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.*

Skin Protection: *Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.*

Eye Protection: *Use chemical safety goggles and/or a full face shield. Maintain eye wash fountain and quick-drench facilities in work area.*

9. Physical and Chemical Properties

Appearance: *Brass shell casing.*
Odor: *Acrid smoke after firing.*
Solubility: *Not applicable.*
Specific Gravity: *No information found.*
pH: *No information found.*
% Volatiles by volume @ 21C (70F): *No information found.*
Boiling Point: *No information found.*
Melting Point: *No information found.*
Vapor Density (Air=1): *No information found.*
Vapor Pressure (mm Hg): *No information found.*
Evaporation Rate (BuAc=1): *No information found.*

10. Stability and Reactivity

Stability: *Stable under conditions of proper use and storage. Material within shells is sensitive to friction, shock, impact and static discharge.*

Hazardous Decomposition Products: *Carbon oxides, nitrogen oxides, lead fumes, copper oxides, barium oxides, lead oxides, sulfur, zinc oxides, antimony oxides, cyanates, ammonia.*

Hazardous Polymerization: *Will not occur.*

Incompatibilities: *Heat, flames, friction, impact, static discharge, sunlight, ultraviolet light, acids, strong oxidizers, caustics, ammonia, Class A and B explosives.*

Conditions to Avoid: *Heat, flames, ignition sources and incompatibles.*

11. Toxicological Information

Data is provided for lowest value of any component of material within the shell: Oral rat LD_{50}: 355mg/kg; skin rabbit LD_{50}: 375g/kg. Lead components may affect fetal development, cause nervous system damage and may reduce male reproductive function and are classified by IARC as 2A (probably carcinogenic to humans) and are listed in 29 CFR part 1910 Subpart Z. Antimony sulfide is IARC category 3 (not classifiable as to human carcinogenicity).

12. Ecological Information

Environmental Fate: *No information found for mixture. Not expected to biodegrade.*

Environmental Toxicity: *No information found for mixture, but expected to be toxic to aquatic life based on component data.*

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

U.S. DOT/IATA: ***Proper Shipping Name:*** *Cartridges, Small Arms, Blank*
Hazard Class: *1.4S* ***UN/NA:*** *UN0014* ***Packing Group:*** *None*

CFR49: ***Proper Shipping Name:*** *Cartridges, Small Arms, ORM-D*

15. Regulatory Information

TSCA: *All components are listed.*
SARA 302 Components: *None.*
SARA 313 Components: *Nitroglycerin, CAS No. 55-63-0; Diphenylamine, CAS No. 122-39-4; Barium compounds, Antimony compounds, Copper, CAS No. 7440-50-8; Lead compounds (lead styphnate); Lead Thiocyanate, CAS No. 592-87-0.*
SARA 311/312 Hazards: *Fire Hazard, Pressure Hazard, Reactivity Hazard, Acute Health Hazard, Chronic Health Hazard*
CERCLA Hazardous Substance: *Antimony compounds (RQ 5000 lbs), Copper (RQ 5000 lbs), Zinc (RQ 1000 lbs), Nitroglycerin (RQ 10 lbs); Lead thiocyanate (RQ 10 lbs; Lead compounds (lead styphnate; RQ 10 lbs).*
Clean Air Act: *This material contains hazardous air pollutants (lead compounds). This material does not contain any Class 1 or Class 2 Ozone depletors.*
Clean Water Act: *Contains Priority Pollutants: copper, antimony, lead and zinc.*
California Prop. 65 Components: *This product contains chemicals known to State of California to cause birth defects or other reproductive defects (lead compounds).*
DSL Status: *All components of this product are on the Canadian DSL list.*
Europe: *Danger Symbol: E (explosive); Risk: R2 (risk of explosion by shock, friction, fire or other sources of ignition); Safety: S2 (keep out of reach of children)*

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16. Other Information

Product Use: *Entertainment/Theatrical Performances and Supervised Law Enforcement Training*
Disclaimer: Boland Production Supply provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for its safe use. Boland Production Supply makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for use with respect to the information set forth herein or the product to which the information refers. Accordingly, Boland Production Supply will not be responsible for damages resulting from use of or reliance upon this information.

KEEP OUT OF THE REACH OF CHILDREN

To avoid serious injury/death to shooter and bystanders: Keep firearm pointed in safe direction at all times. Do NOT point or fire loads in direction of person or animal; hot gases and filler materials will be discharged from gun. Do NOT use to propel projectiles. USE only in firearms in good condition with markings exactly matching ammunition. Always check barrel and remove obstructions before firing. If firearm fails to fire, point muzzle in safe direction and avoid exposure to breech while carefully unloading in accordance with firearm manufacturer instructions. USE shooting glasses and hearing protection. Clean gun thoroughly after use. Always keep ammunition dry. Store in a cool, dry place. Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

DANGER:
IMPROPER USE OR MODIFICATION OF THIS BLANK ROUND
COULD CAUSE SEVERE INJURY OR DEATH.

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