



BOLANDFX Blank - Primer Only .38SPL/.380STAGE

1 Identification

GHS Product Identifier

B38S0/B380-0S

Other means of identification

Synonyms: Ammunition, blank

Calibers: .38 Special (".38SPL"), .380 STAGE BLANK

Recommended use of the chemical and restriction on use

Entertainment/Theatrical Performances and Supervised Law Enforcement Training

Supplier's details

Supplier Name: Boland Production Supply, Inc. ("BOLANDFX")

Internet Contact: customerservice@bolandfx.com

Company's Address: 507 Burns Lane, Winter Haven, FL 33884-1148 USA

Company Info Phone #: +01-863-324-7784

Emergency phone number

CHEMTEL: 800-255-3924 (Int'l +01-813-248-0585) #MIS0006252



Product Code(s): B38S0, B380-0S

Load: PRIMER ONLY

2 Hazard(s) identification

Classification of the substance or mixture

Danger! 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.

GHS label elements

Danger



Explosive; fire, blast or projection hazard

May be harmful if inhaled

Keep out of reach of children.

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Do not subject to grinding/shock/mechanical shock/friction.

Other hazards which do not result in classification

HMIS Classification

Health Hazard: 0

Chronic Health Hazard: *

Flammability: 0

Physical hazards: 3 (Explosive)

NFPA Rating

Mixture. Not Rated

Human Threshold Response Data

Odor Threshold: Unknown
Irritation Threshold: Unknown
Immediately Dangerous to Life or Health: The IDLH for this product is not known. The IDLH for copper and lead is 100 mg/m³. The IDLH for barium nitrate is 50 mg/m³.

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. The particles may contain trace amounts of these harmful substances:

Lead: Ingestion of large amounts of lead can cause abdominal pain, constipation, cramps, nausea, and/or vomiting. Chronic exposure can cause kidney damage, anemia, reproductive effects, developmental effects and permanent nervous system damage in humans including changes in cognitive function.

Copper: Inhalation of high concentrations of copper dusts and fumes may cause nasal irritation and/or nausea, vomiting and stomach pain.

Antimony sulfide: Inhalation of high concentrations may cause dizziness, headache and nausea. Workers chronically exposed to high concentrations of antimony sulfide have developed heart and blood effects.

Barium nitrate: Ingestion of large doses of soluble barium compounds can cause cyanosis, skeletal muscle paralysis, respiratory arrest, irregular heartbeat and hypertension.

It is unlikely that the amount of particles that someone would be exposed to from firing would be sufficient to cause any of these effects.

Aggravation of Pre-existing Conditions: There are no medical conditions known to be aggravated by exposure to this product in its solid form. Exposure to lead can aggravate anemia, cardiovascular and respiratory disease.

Potential Environmental Effects: Product has not been tested for environmental properties.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Copper	7440-50-8	231-159-6	55 - 96	
Zinc	7440-66-6	231-175-3	10 - 55	
Normal Lead styphenate	15245-44-0	239-290-0	4 - 5	
Barium nitrate	10022-31-8	233-020-5	3 - 3.5	
Antimony trisulfide	1345-04-6	215-713-4	1 - 5	
Lead(II) thiocyanate	592-87-0	209-774-6	0.1 - 0.6	
Brass casing	63338-02-3	215-270-7	0	

4 First-aid measures**Description of necessary first-aid measures**

Inhalation: If symptoms of lung irritation occur (coughing, wheezing or breathing difficulty), remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep affected person warm and at rest. Get immediate medical attention.

Ingestion: If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Skin Contact: Wash skin with plenty of soap and water.

Eye Contact: Immediately flush out fumes or particles with large amounts of water for at least 15 minutes, occasionally lifting lower and upper eyelids. If eye irritation develops, call a physician at once.

5 Fire-fighting measures

Suitable extinguishing media

Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used.

Specific hazards arising from the chemical

Explosive: YES	Flammable: Not applicable
Combustible: Not applicable	Pyrophoric: No
Flash Point (°C): Not applicable	Burning Rate of Material: Not applicable
Lower Explosive Limit: Not applicable	Autoignition Temp: No data
Upper Explosive Limit: Not applicable	
Flammability Classification: (defined by 29 CFR 1910.1200): Explosive	

Unusual Fire and Explosion Hazards: None

Fire: Primer contained within the shell is flammable.

Explosion: Primer contained within the shell is explosive. Shells may detonate if exposed to heat, flame, friction, impact, static discharge, or mechanical shock.

Special protective actions for fire-fighters

In case of fire, or if the fire reaches the cargo, use normal fire fighting equipment. Turnout gear supplies sufficient fire-fighter protection from the explosive characteristics of this product.

6 Accidental release measures

Methods and materials for containment and cleaning up

Spills of this material may represent an explosion hazard and should be handled carefully. This product may explode if subjected to heat, flame, friction, impact, static discharge, or mechanical shock. Remove all sources of ignition. Use non-sparking equipment to clean up spill. A spill of this material will normally not require emergency response team capabilities.

7 Handling and storage

Precautions for safe handling

No special requirements.

Conditions for safe storage, including any incompatibilities

Do not store at temperatures above 65.5°C (150°F)

Shelf Life Limitations:	Indefinite at 50°-90°F and 30% relative humidity
Incompatible Materials for Packaging:	Package only in DOT approved containers
Incompatible Materials for Storage or Transport:	Acids, Class A & B explosives, strong oxidizers, and caustics

Separate from incompatibles. Storage and use areas should be designated "No Smoking" areas. 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. Avoid contact with any ammonia compounds. Follow appropriate explosive safety measures.

8 Exposure controls/personal protection

Control parameters

<u>CAS#</u>	<u>CHEMICAL NAME</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>INTERNATIONAL CODES</u>
7440-50-8	Copper	0.2 mg/m ³ (fume), 1 mg/m ³ (dusts and mists)	0.1 mg/m ³ (fume), 1mg/m ³ (dusts and mists)	Austria, Belgium, Canada: 0.2 mg/m ³ (fumes), 1 mg/m ³ (dusts) Denmark: 1.0 mg/m ³ (dust & powder) Germany (MAK): 0.1 mg/m ³ (fume), 1 mg/m ³ (dusts & mists)
7440-66-6	Zinc	None established	None established	None established
15245-44-4	Lead styphenate	None established	None established	None established
10022-31-8	Barium nitrate	0.5 mg/m ³	0.5 mg/m ³	Germany (MAK): 0.5 mg/m ³ (I), Peak = II (2) Austria, Belgium, Denmark, Finland, Hungary, Netherlands, Poland, Switzerland, U.K.: 0.5 mg/m ³
1345-04-6	Anitmony trisulfide	0.5 mg/m ³	0.5 mg/m ³	Austria, Belgium, Denmark, France, Finland, Germany, Hungary, Netherlands, Norway, Poland, Sweden, U.K.: 0.5 mg/m ³
592-87-0	Lead thiocyanate	None established	None established	None established

Appropriate engineering controls

A system of local and/or general exhaust is recommended if significant dusting occurs or fumes are generated. 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. Otherwise, use general exhaust ventilation.

Individual protection measures

Skin Protection: Not normally needed

Eye/Face Protection: Use safety glasses

Respiratory Protection: Not normally needed

General Hygiene: Do not eat, drink, or smoke while using this product. Wash hands after use.

9 Physical and chemical properties

Physical and chemical properties

PROPERTY	VALUE	PROPERTY	VALUE
Appearance:	Brass casing - no wad/crimp	Vapor Density (air=1):	Not applicable
Odor:	Acrid smoke after firing	Boiling Point (°F):	Not applicable
Molecular Weight:	Not applicable	Melting Point:	Not applicable
Physical State:	Solid	Specific Gravity (g/cc):	Not applicable
pH:	Not applicable	Bulk Density:	Not applicable
Vapor Pressure (mm Hg):	Not applicable	Viscosity (cps):	Not applicable
Vapor Density:	Not applicable	Decomposition Temperature:	82°C (180°F)
Solubility in Water (20°C):	Insoluble	Evaporation Rate:	Not applicable
Volatiles, % by Volume:	Not applicable	Octano/water partition coefficient:	Not applicable

10 Stability and reactivity

Chemical stability

Primer will explode with mechanical impact or shock.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Heat, flames, ignition sources and incompatibles.

Incompatible materials

Heat, flames, friction, impact, static discharge, acids, strong oxidizers, caustics, ammonia, Class A and B explosives.

Hazardous decomposition products

Nitrogen oxides, carbon monoxide, lead oxides, carbon dioxide, lead dust/fume.

11 Toxicological information

Toxicological (health) effects

Data is provided for lowest value of any component of material within the shell: Oral rat LD₅₀: 355mg/kg; skin rabbit LD₅₀: 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).

Information on the likely routes of exposure

The physical nature of this product makes absorption from any route unlikely. A small amount of inhalable particles may be created when fired.

Interactive effects

None known or reported.

Mixtures

None known or reported.

12 Ecological information

Toxicity

No data is available on this product. Individual constituents are as follows:

Copper: The toxicity of copper to aquatic organisms varies significantly not only with the species, but also with the physical and chemical characteristics of the water, such as its temperatures, hardness, turbidity and carbon dioxide content. Copper concentration varying from 0.1 to 1.0 mg/L has been found by various investigators to be not toxic for most fish. However, concentrations of 0.015 to 3.0 mg/L have been reported as toxic, particularly in soft water to many kinds of fish, crustacea, insects, and plankton.

Lead: LC 50 (48 hrs.) to bluegill (*Lepomis macrochirus*) is reported to be 2-5 mg/L. Lead is toxic to waterfowl.

Zinc: The following concentrations of zinc have been reported as lethal to fish:

Rainbow trout fingerlings: 0.13 mg/L, 12-24 hours

Bluegill sunfish: 6 hr TLM - 1.9 - 3.6 g/L (soft water, 30°C)

Rainbow trout: 4 mg/L (hard water) 3 days

Sticklebacks: 1 mg/L (soft water) 24 hours

The presence of copper appears to have a synergistic effect on the toxicity of zinc towards fish.

Persistence and degradability

Not biodegradable. May decompose in soil leading to accumulation of lead.

Bioaccumulative potential

No data

Mobility in soil

Dissolved lead may migrate through soil.

13 Disposal considerations

Disposal methods

Care must be taken to prevent environmental contamination from the use of this material. 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. 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.

14 Transport information

UN Number

UN0055

UN Proper Shipping Name

Cases, cartridge, empty, with primer

Transport hazard class(es)

1.4s

Packing group, if applicable

None

Special precautions for user

U.S. DOT/IATA

UN#: UN0055	Proper Shipping Name: Cases, cartridge, empty, with primer	Hazard Class: 1.4s	Packing Group: None
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49CFR

UN#: UN0055	Proper Shipping Name: Cases, cartridge, empty, with primer	Hazard Class: 1.4s	Packing Group: None
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LABELS:



NOTE: When shipped via Ground within the domestic US, this item may be declared ORM-D, Cartridges, Small, Arms (label above). Specific inner packaging, outer packaging, label, and total per carton weight restrictions apply.

15 Regulatory information**Safety, health and environmental regulations specific for the product in question****US FEDERAL**

TSCA	The components of this product are listed on the Toxic Substance Control Act inventory				
CERCLA	Copper, R.Q. = 5000 lbs.; Zinc, R.Q. = 1000 lbs.; Antimony compounds, R.Q. = 5000 lbs.; (No reporting is required if diameter of the pieces of metal is equal to or exceeds 100 micrometers (0.004 inches).				
SARA 313	Copper, Lead, and Lead compounds, Zinc (fume or dust), Barium compounds, Antimony compounds				
SARA 313 Hazard Class	Acute - NO	Chronic - NO	Fire - NO	Reactivity - NO	Release of Pressure - YES
SARA 302 EHA List	None of the components of this product are listed				

R.Q. = Reportable Quantity

STATE RIGHT-TO-KNOW STATUS

Component	*CA Prop 65	New Jersey	Pennsylvania	Massachusetts	Michigan
Copper	Not listed	X	X	X	X
Zinc	Not listed	X	Not listed	X	X
Lead styphenate	X	Not listed	Not listed	X	Not listed
Barium nitrate	Not listed	Not listed	X	X	Not listed
Antimony trisulfate	Not listed	Not listed	Not listed	Not listed	Not listed
Lead thiocyanate	X	Not listed	Not listed	X	Not listed

* "WARNING: This product contains detectable amounts of a chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm."

Clean Air Act: This material contains hazardous air pollutants (lead compounds). This material does not contain any Class 1 or Class 2 Ozone depletors.

EUROPEAN REGULATIONS**Hazard Classification**

Danger Symbol:	E	Explosive
Risk Phrases:	R2	Risk of explosion by shock, friction, fire or other sources of ignition
Safety Phrases:	S2	Keep out of reach of children

German WGK Classification: Not known

CANADIAN REGULATIONS

DSL Status: The components of this product are on the Canadian DSL list or are exempt from reporting under the New Substances Notification Regulations.

IDL: Copper, Barium nitrate, Antimony compounds

WHMIS: This product is not subject to WHMIS. It is regulated as a Class 6 Explosive in Canada.

16 Other information**Other information**

Product Use: Entertainment/Theatrical Performances and Supervised Law Enforcement Training

Prepared By: Boland Production Supply, Inc. ("BOLANDFX")

OTHER: Additional information available from: www.bolandfx.com

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