



# SAFETY DATA SHEET

Bullets, Slugs, Buckshot, and  
Muzzleloader Projectiles

SDS Revision: 2.0

SDS Revision Date: 11/02/2017

## 1. PRODUCT IDENTIFICATION

1.1	Product name:	HORNADY® Bullets, Slugs, Buckshot, and Muzzleloader Projectiles		
1.2	Chemical Name	See Section 3 Composition and Ingredients		
1.3	Synonyms	Bullets, Projectiles, Slugs, FMJ, SWC, HBWC, SWC, RN, HP, FP, ENC, BTHP, BTSP, BT, SP, SJ, Match, Moly, Buckshot, PA Conical, Round Ball, Hard Ball, Lead Test Cylinders		
1.4	Trade Names	InterBond®, SST®, V-MAX™, Varmint™, InterLock®, A-MAX®, MATCH™, XTP®, XTP®-MAG™, Frontier™, HAP®, Great Plains®, L-N-L® Speed Sabot®, FPB®, FTX®, Cowboy™, DGS®, DGX®; Z-MAX™, ELD-X™, ELD™, Sub-X™		
1.5	Product Use	Reloading	NZ DISTRIBUTOR	
1.6	Manufacturer's Name	Hornady Manufacturing Company	Steve's Wholesale Ltd. Units 5	
1.7	Manufacturer's Address	P.O. Box 1848, Grand Island, Ne 68802 USA	- 7 / 408 The Esplanade	
1.8	Business Phone	+1 (308) 382-1390	Island Bay Wellington 6023	
1.9	Emergency Phone	CHEMTREC: +1 (800) 424-9300 / +1 (703) 527-3887	team@steveswholesale.nz	
1.10	Prepared By	K.Hoover	Emergency Contact: Steve Collings	

## 2. HAZARD IDENTIFICATION

2.1	<p>These products are classified as Articles under OSHA 1910.1200 Hazard Communication Standard and is not subject to the requirements for information (Safety Data Sheets and Labeling). While Bullets may release hazardous substances, under normal conditions of use does not release more than very small quantities.</p> <p><b>ACUTE HEALTH HAZARDS:</b>  <b>Lead</b> Ingestion/Inhalation may cause irritation to nose, throat, upper respiratory tract and lungs. The irritant effects may lead to bronchitis, headache, fall in blood pressure, weakness, convulsions, and collapse. Severe poisoning may impair vision by damaging the optic nerve. Particulates from firing: Eye irritation or injury, skin irritation. Inhaling large amounts of <b>copper</b> dust may cause nasal and respiratory irritation as well as nausea and vomiting. <b>Zinc</b> ingestion may cause headache, nausea, fever. Acute <b>molybdenum</b> poisoning can lead to gastrointestinal irritation, diarrhea, coma and death from cardiac failure.</p> <p><b>CHRONIC HEALTH HAZARDS:</b>          Ingestion or inhalation of <b>lead</b> may have effects on the blood, bone marrow, central nervous system, peripheral nervous system and kidneys, resulting in anemia, encephalopathy (e.g., convulsions), peripheral nerve disease, abdominal cramps and kidney impairment. Causes toxicity to human reproduction or development. Chronic <b>molybdenum</b> poisoning may cause loss of weight, anemia, reproductive harm, osteoporosis and joint deformity.</p> <p><b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b>          Respiratory conditions easily aggravated by airborne dust or particulates.</p>	<p><b>Pictogram</b></p>				
2.2	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Routes of Entry:</td> <td style="width: 25%;">Inhalation:</td> <td style="width: 25%;">Absorption:</td> <td style="width: 25%;">Ingestion:</td> </tr> </table>	Routes of Entry:	Inhalation:	Absorption:	Ingestion:	
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## 3. Composition & Ingredients

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR - ppm (mg/m <sup>3</sup> )				
					ACGIH		OSHA		
					TLV	STEL	PEL	STEL	IDLH
Lead	7439-92-1	OF7525000	231-100-4	25-100	0.05	-	0.05	-	100
Copper	7440-50-8	GL5325000	231-159-6	0-45	1.0	-	1.0	-	100
Zinc	7440-66-6	Zh4810000	231-175-3	0-20	NA	-	15	-	500
Antimony	7440-36-0	CC4025000	231-146-5	0-5	0.5	-	0.5	-	50
Aluminum	7429-90-5	BD0330000	231-072-3	0-7	5.0	-	5.0	-	N/A
Molybdenum Disulfide	1317-33-5	N/A	N/A	0-<1	5.0	-	15	-	5,000



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OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION

BAL

THE REMAINING COMPONENTS DO NOT CONTRIBUTE  
ANY SIGNIFICANT ADDITIONAL HAZARDS

## 4. FIRST AID

4.1	<p><b>EMERGENCY OVERVIEW:</b> Do not take internally. Keep away from sources of ignition. Byproducts of use may be harmful if inhaled. Avoid long-term contact between exposed lead and skin/ clothing.</p> <p><b>ROUTES OF ENTRY:</b> Inhalation, ingestion, eyes</p> <p><b>EYES:</b> None during normal handling. Firing projectiles may result in airborne particles/fragments. Particles/fragments may cause irritation or eye injury if safety glasses are not used.</p> <p><b>SKIN:</b> Minimal irritation. Wash hands after handling and before eating, drinking or smoking to reduce chances of ingestion.</p> <p><b>INGESTION:</b> Ingestion of lead dust or fume can eventually lead to damage to central and peripheral nerves, blood and kidneys. It may also cause damage to male reproductive system and, in females, to the unborn fetus. Damage to nerves can cause reduced motor nerve and muscle function. May cause anemia. Lead has been identified as an animal carcinogen and may produce cancer in humans. Ingestion of molybdenum in sufficient quantities may cause gastrointestinal irritation, diarrhea, coma and death from cardiac failure. See section 11 for toxic quantities.</p> <p><b>INHALATION:</b> Inhalation of dust/fume may lead to the effects described above (Ingestion), as well as respiratory irritation.</p>
4.2	<p><b>Medical Conditions Aggravated by Exposure:</b> Repeated or prolonged exposure may aggravate and existing dermatitis condition.</p>

## 5. FIRE & EXPLOSION HAZARDS

5.1	<p><b>Flashpoint &amp; Method:</b> N/A</p>			
5.2	<p><b>Autoignition Temperature:</b> N/A</p>			
5.3	<table border="1"><tr><td><b>Flammability Limits:</b></td><td><b>Lower Explosive Limit(LEL):</b></td><td><b>Upper Explosive Limit (UEL):</b></td></tr></table>	<b>Flammability Limits:</b>	<b>Lower Explosive Limit(LEL):</b>	<b>Upper Explosive Limit (UEL):</b>
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5.4	<p><b>Fire &amp; Explosion Hazards:</b> This product is not a fire or explosion hazard.</p>			
5.5	<p><b>Extinguishing Methods:</b> Not relevant to this product; choose extinguishing media suitable to surrounding materials.</p>			
5.6	<p><b>Firefighting Procedures:</b> Use SCBA</p>			

## 6. SPILLS & LEAKS

6.1	<p><b>Spills:</b> Spills will not normally require emergency response. If spill is large or other assistance is required, call 800-338-3220 or CHEMTREC at 800-424-9300</p> <p><b>Section 6 Notes:</b> See Section 15 for reportable quantities of spilled material.</p>
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## 7. STORAGE & HANDLING

7.1	Work & Hygiene Practices: N/A
7.2	Storage & Handling: Store in a cool, dry area. Wash hands thoroughly after handling.
7.3	Special Precautions: Keep out of reach of children.

## 8. EXPOSURE CONTROL & PERSONAL PROTECTION

8.1	<u>Ventilation &amp; Engineering Controls:</u> Use of proper range filtration and airflow when firing projectiles indoors. Ventilation is not required during normal handling and loading. Use mechanical ventilation when firing projectiles indoors to maintain exposures below PEL. Ventilation should not be required outdoors.
8.2	<u>Respiratory Protection:</u> Not normally needed.
8.3	<u>Eye Protection:</u> Safety glasses.
8.4	<u>Hand Protection:</u> Not normally needed. Wash hands thoroughly after handling.
8.5	<u>Body Protection:</u> None required under normal conditions.

## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	N/A
9.2	Boiling Point:	N/A
9.3	Melting Point:	N/A
9.4	Evaporation Rate:	N/A
9.5	Vapor Pressure @ 20 °C:	N/A
9.6	Molecular Weight:	N/A
9.7	Appearance & Color:	Cylindrical projectile. May be pointed, flat tipped, hollow point or polymer point. Projectile may be lead only (grey) or may be fully or partially jacketed in copper or brass. Moly coated bullets will be a dark grey.
9.8	Odor Threshold:	N/A
9.9	Solubility:	Insoluble
9.10	pH:	N/A
9.11	Viscosity:	N/A
9.12	Coefficient oil/water Distribution:	N/A
9.13	Additional Information:	

## 10. STABILITY & REACTIVITY

10.1	Stability: Stable under normal conditions.
10.2	Decomposition Products: Oxides, fume, and dusts from metals listed in section I.
10.3	Polymerization: Will not occur.
10.4	Conditions to Avoid: Open flame/high heat (melting)
10.5	Incompatible Substance: Acids and caustics



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## 11. TOXICOLOGICAL INFORMATION

11.1	<b>Toxicity Data: LD50 and LC50</b>					
	Lead:	LD50 (oral)	N/A	LC50 (inhalation)	N/A	IDLH 100mg/m <sup>3</sup>
	Antimony	LD50 (oral)	7 g/kg (rat)	LC50 (inhalation)	N/A	IDLH 50mg/m <sup>3</sup>
	Copper:	LD50 (oral)	1,000mg/m <sup>3</sup>	LC50 (inhalation)	>2,000mg/m <sup>3</sup>	IDLH 100mg/m <sup>3</sup>
	Zinc:	LD50 (oral)	7,950 mg/kg (mouse)	LC50 (inhalation)	2,500mg/m <sup>3</sup> (mouse)	IDLH 500mg/m <sup>3</sup>
	Molybdenum	LD50 (oral)	N/A	LC50 (inhalation)	N/A	IDLH 5,000 mg/m <sup>3</sup>
11.2	Acute Toxicity: See section 2.1					
11.3	Chronic Toxicity: See section 2.1					
11.4	Suspected Carcinogen: Lead					
11.5	<b>Reproductive Toxicity</b>					
	Mutagenicity:	This product is not expected to cause mutagenic effects in humans. Mutagenic effects have occurred in experimental animals				
	Embryotoxicity:	This product is not expected to cause embryotoxic effects in humans.				
	Teratogenicity:	This product is not expected to cause teratogenic effects in humans. Teratogenic effects have occurred in experimental animals.				
	Reproductive Toxicity:	This product is expected to cause reproductive harm in humans.				
11.6	Irritancy of Product: N/A					
11.7	Biological Exposure Indices: N/A					
11.8	Medical Recommendations: Treat symptomatically					

## 12. ECOLOGICAL INFORMATION

12.1	Ecological Information: This product has no ecological information available. Individual component information follows the subsection listed below.					
12.2	Lead: Toxic to waterfowl, high concentrations may be toxic to other aquatic species.					
12.3	Copper: Toxic to aquatic species. Concentration required for toxicity varies with water chemistry, light transmittance, and other factors. Generally accepted level for aquatic toxicity is >1.0mg/L					
12.4	Zinc: Depending on conditions, as little as .13mg/L may be toxic to some species					

## 13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: Dispose of in accordance with federal & provincial hazardous waste laws. Product that has become waste must be considered hazardous and disposed of accordingly. The user of this product is responsible for seeing that it is disposed of in accordance with all federal, state and local laws. For more information regarding disposal of this product contact the manufacturer.					
13.2	RCRA Hazard Class: D008					

## 14. TRANSPORTATION INFORMATION

14.1	49 CFR (GND): Not regulated as hazardous material					
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14.2	IATA (AIR): Not regulated as hazardous material
14.3	IMGD (OCN): Not regulated as hazardous material
14.4	TDGR (Canadian GND): Not regulated as hazardous material
14.5	ADR/RID (EU): Not regulated as hazardous material
14.6	MEXICO (SCT): Not regulated as hazardous material

## 15. REGULATORY INFORMATION HSR002809

15.1	TSCA Inventory Status: Components are listed on the Toxic Substances Control Act Inventory										
15.2	SARA 313 Reportable Ingredients: Lead, Antimony, Copper										
15.3	TSCA Inventory Status: Components are listed on the Toxic Substances Control Act Inventory										
15.4	CERCLA Reportable Quantity (RQ): (No reporting is required if diameter of the pieces of metal is equal to or exceeds 100 micrometers (0.004 inches))										
	<table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">Lead:</td> <td>10 lbs</td> </tr> <tr> <td>Copper:</td> <td>5,000 lbs</td> </tr> <tr> <td>Antimony:</td> <td>5,000 lbs</td> </tr> <tr> <td>Zinc:</td> <td>1,000 lbs</td> </tr> </table>	Lead:	10 lbs	Copper:	5,000 lbs	Antimony:	5,000 lbs	Zinc:	1,000 lbs		
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Copper:	5,000 lbs										
Antimony:	5,000 lbs										
Zinc:	1,000 lbs										
15.5	European Regulations: This material in its solid form is not required to be labeled under EC regulations										
15.6	Canadian Regulations:										
	<table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">DSL List:</td> <td>The components of this product are on the DSL or are exempt from reporting under the New Substances Notification Regulations.</td> </tr> <tr> <td>IDL:</td> <td>Lead</td> </tr> <tr> <td>WHMIS:</td> <td>This product is not subject to WHMIS. It is considered to be a manufactured article.</td> </tr> </table>	DSL List:	The components of this product are on the DSL or are exempt from reporting under the New Substances Notification Regulations.	IDL:	Lead	WHMIS:	This product is not subject to WHMIS. It is considered to be a manufactured article.				
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IDL:	Lead										
WHMIS:	This product is not subject to WHMIS. It is considered to be a manufactured article.										
15.7	California Proposition 65: (Lead)- Warning- This product may contain a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.										
15.8	State Regulatory Information:										
	<table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">California:</td> <td>Lead</td> </tr> <tr> <td>Massachusetts:</td> <td>Antimony, Copper, Lead, Zinc</td> </tr> <tr> <td>Michigan:</td> <td>Antimony, Copper, Lead, Zinc</td> </tr> <tr> <td>New Jersey:</td> <td>Antimony, Copper, Lead, Zinc</td> </tr> <tr> <td>Pennsylvania:</td> <td>Antimony, Copper, Lead</td> </tr> </table>	California:	Lead	Massachusetts:	Antimony, Copper, Lead, Zinc	Michigan:	Antimony, Copper, Lead, Zinc	New Jersey:	Antimony, Copper, Lead, Zinc	Pennsylvania:	Antimony, Copper, Lead
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New Jersey:	Antimony, Copper, Lead, Zinc										
Pennsylvania:	Antimony, Copper, Lead										

## 16. OTHER INFORMATION SW revised 06.01.2021

16.1	Other Information: Hazardous Material Information System (HMIS) Health-3 Fire-0 Reactivity-0 PPE-B
16.2	Disclaimer: This Safety Data Sheet complies with Health Canada's Workplace Hazardous Information System (WHMIS) & U.S. OSHA's Hazard Communication Standard 29 CFR 1910.1200. To the best of Hornady Manufacturing Company's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product. Contact the manufacturer for additional information