Hornady Accurate. Deadly. Dependable.	SAFETY DATA SHEET	HORNADY® Shotgun Ammunition
Prepared to OSHA GHS Standards	SDS Revision: 1.0	SDS Revision Date: 6/15/2015

1. PRODUCT IDENTIFICATION

1.1	Product name:	HORNADY® Shotgun Ammunition
1.2	Chemical Name	See Section 3 Composition and Ingredients
1.3	Synonyms	Cartridges, Small Arms Ammunition
1.4	Trade Names	SST® Shotgun Slug™, SST® Lite™, 12 Gauge 00 Buckshot, TAP® FPD™ Buckshot, Custom Buckshot, Varmint Express® Buckshot, TAP® Light Magnum® 00 Buck, TAP® Reduced Recoil™ 00 Buck, Heavy Magnum® Turkey, Zombie Max™, Heavy Magnum® Coyote, Critical Defense®, American Whitetail® Slugs. TAP® Rifled Slug.
1.5	Product Use	Shotgun Ammunition
1.6	Manufacturer's Name	Hornady Manufacturing Company
1.7	Manufacturer's Address	P.O. Box 1848, Grand Island, Ne 68802 USA
1.8	Business Phone	+1 (308) 382-1390
1.9	Emergency Phone	CHEMTREC: +1 (800) 424-9300 / +1 (703) 527-3887
1.10	Prepared By	K.Hoover

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)

2. HAZARD IDENTIFICATION

2.1 **HAZARD CLASSIFCATION:**

Explosive Hazard Division 1.4. Specific Target Organ Toxicity- Repeated Exposure Category 1. Reproductive Toxicity Category 1A. Carcinogenicity Category 2. Skin Sensitization Category 1A. Acute Toxicity (inhalation) Category 3.

SIGNAL WORD:

Danger

HAZARD STATEMENTS (H):

H204- Fire or projection hazard. Exposure by inhalation or ingestion H372- Causes damage to liver, kidneys, central nervous system, through prolonged or repeated exposure ; H360- May damage fertility or the unborn child; H351- Suspected of causing cancer

PRECAUTIONARY STATEMENTS (P):

P210- Keep away from heat- No Smoking. P260- Do not breathe dust/fume. P264- Wash hands thoroughly after handling. P374- fight fire with normal precautions from a reasonable distance. P307+313- If exposed or concerned: Get medical advice/attention. P501- Dispose of contents in accordance of local/regional/national regulations.

Pictogram

2.2	Routes of Entry:	Inhalation:	Yes	Absorption:	No	Ingestion:	Yes	

See Section 16 for Definitions of Terms Used
NOTE: All WHIMS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2010 format.

3. Composition & Ingredients

					EXPOSURE LIMITS IN AIR – ppm (mg/m³)				
					ACGIH		OSHA		
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	PEL	STEL	IDLH
Antimony	7440-36-0	CC4025000	231-146-5	.1-2	5.0	-	5.0	-	-
Antimony Sulfide	7440-36-0	CC4025000	231-146-5	<1	0.5	-	0.5	-	50
Barium Nitrate	10022-31-8	CQ9625000	233-020-5	<1	0.5	-	0.5	-	-
Copper	7440-50-8	GL5325000	231-159-6	1-14	0.5	-	0.5	-	50
Dibutyl Phthalate	84-74-2	TI0875000	201-557-4	<1	1.0	-	1.0	-	100
Lead	7439-92-1	OF7525000	231-100-4	37-75	-	-	-	-	-
Lead Styphnate	12409-82-6	N/A	N/A	<1	0.05	-	0.05	-	100
Nickel	7440-02-0	QR5950000	231-111-4	0-5	0.05	-	0.05	-	100
Nitrocellulose	9004-70-0	N/A	N/A	5-10	-	-	1.0	-	10

Nitroglycerin	55-63-0	QX2100000	N/A	0-2.5	-	-	-	-	-
Tetracene	109-27-3	N/A	203-659-4	0-<1	-	-	-	-	-
OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION				BAL	THE REMAINING COMPONENTS DO NOT CONTRUBUTE ANY SIGNIFICANT ADDITIONAL HAZARDS				

4. FIRST AID

4.1

EYES:
Immediately flush out fume or particles with large amounts of water for at least 15 minutes. If irritation develops, call physician.

SKIN:
Wash affected skin thoroughly with soap and water.

INGESTION:
If ingested, call physician immediately.

INHALATION:
If signs of lung irritation occur, remove victim to fresh air immediately. If respiration has stopped administer CPR and get medical attention immediately.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:
Fragments from fired ammunition can cause physical injury. When ammunition is fired or otherwise discharged, dust and/or fumes may be absorbed by the digestive system and can result in both acute and chronic overexposure. Symptoms may include gastrointestinal irritation, nausea, vomiting and diarrhea. High concentrations of dust and/or fumes may irritate throat and respiratory system and cause coughing. Symptoms of chronic exposure to lead include anemia, visual and hearing disturbances, headache, memory loss, fatigue, muscle weakness, tremors, and convulsions. Ingestion of ammunition can cause irritation to the digestive system, and possibly other unknown health effects. A drop in blood pressure, headache, cyanosis and mental confusion may result from nitroglycerin in the product.

4.2 Medical Conditions Aggravated by Exposure:
Repeated or prolonged exposure may aggravate and existing dermatitis condition.

5. FIRE & EXPLOSION HAZARDS

5.1 Flashpoint & Method:
N/A

5.2 Autoignition Temperature:
160°C-180°C (320°F-360°F)

5.3 Flammability Limits: | Lower Explosive Limit(LEL): N/A | Upper Explosive Limit (UEL): N/A

5.4 Fire & Explosion Hazards:
Not considered flammable but may burn at high temperatures. Explosive. The effects are largely confined to the package and no projection fragments of appreciable size or range is to be expected. An external fire shall not cause virtually instantaneous explosion of almost the entire contents of the package. Do not expose to heat or ignition sources as this could cause an explosion. If heated above 200 ^{0}C (392 ^{0}F) may explode.

5.5 Extinguishing Methods:
Fight fire with normal precautions from a reasonable distance

5.6 Firefighting Procedures:
Do not breathe fumes from fires or vapors from decomposition. Exercise caution when fighting any chemical fire. If product is unconfined, there is a greater risk for injury from projectiles. Flood area with water to cool exposed product and extinguish fire.

6. SPILLS & LEAKS

6.1 Spills:
Spills will not normally require emergency response. Do not expose product to mechanical shock, electrical shock or impact. Spilled product can be pickup up by any non-spark, non-impact tools/methods. If spill is large or other assistance is required, call 800-338-3220 or CHEMTREC at 800-424-9300. If cartridges are damaged or ruptured be very careful to avoid all sources of ignition.

7. STORAGE & HANDLING

7.1	Precautions for Safe Handling: Avoid striking the primer. Ammunition should stay in the manufacturer packaging while transferring. Remove ammunition from service if any of the following conditions have occurred: corrosion, physical damage, exposure to oil or spray type lubricants.
7.2	Storage & Handling: Store in a cool and dry location. Do not expose to excessive heat, flame or other sources of ignition. Avoid mechanical shock and electrical discharge.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls: General mechanical ventilation and local exhaust is required for use with this product. When storing large volumes of this product (e.g. more than 1 gallon), use explosion-proof ventilation equipment. Facilities storing or using large quantities of this material should be equipped with an eyewash facility and a safety shower.
8.2	Respiratory Protection: A respiratory protection program that meets ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirators use. Do not inhale vapors.
8.3	Eye Protection: Approved safety glasses with side shields should be used with this product. If splashing is anticipated, splash goggles and a face shield are recommended.
8.4	Hand Protection: Where contact is likely, impervious gloves are recommended. Do not wear rings, watches, or jewelry that could entrap the material against the skin.
8.5	Body Protection: 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 ^{0}C:	N/A
9.6	Molecular Weight:	N/A, Mixture
9.7	Appearance & Color:	Plastic hull with brass-plated steel base
9.8	Odor Threshold:	None
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:	N/A

10. STABILITY & REACTIVITY

10.1	Stability: Stable under normal conditions of temperature and pressure.
10.2	Decomposition Products: Lead oxides, lead fume, lead dust, carbon monoxide, nitrogen oxides
10.3	Polymerization: Will not occur.
10.4	Conditions to Avoid: Mechanical shock, ele
10.5	Incompatible Substance: Acids, class A and B explosives, caustics, strong oxidizers

11. TOXICOLOGICAL INFORMATION

11.1 Toxicity Data:

Lead	LD50 (oral)	N/A	LC50 (inhalation)	N/A	IDLH	100 mg/m³
Antimony	LD50 (oral)	7 g/Kg (rat)	LC50 (inhalation)	N/A	IDLH	50 mg/m³
Barium	LD50 (oral)	187 mg/Kg	LC50 (inhalation)	N/A	IDLH	50 mg/m³
Copper	LD50 (oral)	1,000 mg/m³	LC50 (inhalation)	>2,000 mg/m³	IDLH	100 mg /m³
Nitrocellulose	LD50 (oral)	>5 g/kg	LC50 (inhalation)	N/A	IDLH	N/A
Nitroglycerin	LD50 (oral)	1607 mg/Kg (rabbit)	LC50 (inhalation)	N/A	IDLH	75 mg/m³
Dibutyl Phthalate	LD50 (oral)	8,000 mg/kg (rat)	LC50 (inhalation)	4,250 mg/m³ (rat)	IDLH	4,000 mg/m³

11.2 Acute Toxicity:
See section 4

11.3 Chronic Toxicity:
See section 4

11.4 Suspected Carcinogen:
Chemicals are suspected to cause cancer, birth defects or other reproductive harm may be present in this product.

11.5 <u>Reproductive Toxicity</u>

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:
NA

11.7 Biological Exposure Indices:
NA

11.8 Medical Recommendations:
Treat symptomatically

12. ECOLOGICAL INFORMATION

12.1 This product has no ecological information available. Individual component information as follows:

12.2 Lead:
Toxic to waterfowl, high concentrations may be toxic to other aquatic species.

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

Dibutyl Phthalate:
Fathead minnow: 1.3mg/L (96H)

Nitrocellulose:
LC50>1,000mg/L (aquatic invertebrates, fish, algae)

Nitroglycerin:
LC50 (96 hour) 1.228mg/L (bluegill)

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: D003, D008, depending on condition

14. TRANSPORTATION INFORMATION

14.1	49 CFR U.S. Department of Transportation (GND):	
	Proper Shipping Name:	Cartridges, Small Arms
	Hazard Class:	1.4S
	ID Number:	UN 0012
	Packing Group:	II
	Label Statement:	None for highway/water/rail; 1.4 placard for individual packages over 1001 lbs.
14.2	IATA (AIR):	
	Proper Shipping Name:	Cartridges, Small Arms
	Hazard Class:	1.4S
	ID Number:	UN 0012
	Packing Group:	II
	Label Statement:	1.4S Label
14.3	IMGD (OCN):	
	Proper Shipping Name:	Cartridges, for Weapons, Inert Projectile
	Hazard Class:	1.4S
	ID Number:	UN 0012
	EmS- No. (Fire):	F-B
	EmS- No. (Spillage):	S-X
14.4	TDGR (Canadian GND):	
	Proper Shipping Name:	Cartridges, Small Arms
	Hazard Class:	1.4S
	ID Number:	UN 0012
	Packing Group:	II
	Label Statement:	1.4S
14.5	ADR/RID (EU):	
	Proper Shipping Name:	Cartridges, Small Arms
	Hazard Class:	1.4S
	ID Number:	UN 0012
	Packing Group:	II
	Label Statement:	1.4S

15. REGULATORY INFORMATION HSR100263

15.1	SARA Reporting Requirements: Nitroglycerin if above threshold
15.2	SARA Threshold Planning Quantity: NA
15.3	TSCA Inventory Status:

	All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.	
15.4	CERCLA Reportable Quantity (RQ):	
	Lead:	10 lbs
	Copper:	5,000 lbs
	Antimony:	5,000 lbs
	Dibutyl Phthalate:	10 lbs
	2,4 Dinitrotoluene:	10 lbs
	Nickel:	100 lbs
	Nitroglycerin:	10 lbs
15.5	311/312: Release of pressure.	
15.6	California Proposition 65: (Lead, Lead Styphnate)- Warning- This product may contain a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.	
15.7	State Regulatory Information:	
	California:	Dibutyl Phthalate
	Massachusetts:	Copper, Dibutyl Phthalate, Lead, Nitrocellulose, Nitroglycerin, Antimony
	Michigan:	Copper, Lead, Antimony
	Minnesota:	Dibutyl Phthalate
	New Jersey:	Copper. Dibutyl Phthalate, Lead, Nitrocellulose, Nitroglycerin, Antimony
	Pennsylvania:	Copper, Dibutyl Phthalate, Lead, Nitrocellulose, Nitroglycerin, Antimony
15.8	67/548/EEC (European Union) and CLP/GHS (1272/2008/EC) Requirements: **Hazard Classification:** Cartridges, Small Arms **Signal Word** Warning **Hazard Statements (H):** H204- Fire or projection hazard. **Precautionary Statements (P):** P210- Keep away from heat/sparks/open flames/hot surfaces- No smoking.	

16. OTHER INFORMATION

SW revised 06.01.2021

16.1	Other Information: Hazardous Material Information System (HMIS) Health-1 Fire-0 Reactivity-2 PPE-A
16.2	Disclaimer: This Safety Data Sheet complies with Health Canada's Workplace Hazardous Information System (WHIMS) & 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