Hornady Accurate. Deadly. Dependable.	SAFETY DATA SHEET	Hornady® Ammunition Utilizing NTX™ bullets
Prepared to 29 CFR 1910.1200(g)(2) standards	SDS Revision: 2.0	SDS Revision Date: 3/13/2020	SDS Date: 09/28/2011

1. PRODUCT IDENTIFICATION

1.1	Product name:	Hornady® Ammunition Utilizing NTX™ bullets	NZ DISTRIBUTOR
1.2	Chemical Name	See Section 3 Composition and Ingredients	Steve's Wholesale Ltd. Units 5
1.3	Synonyms	Cartridges, Small Arms Ammunition	– 7 / 408 The Esplanade
1.4	Trade Name(s)	Varmint Express®, Varmint Express® Rimfire, Superformance® Varmint	Island Bay Wellington 6023
1.5	Product Use	Firearm Ammunition	team@steveswholesale.nz
1.6	Manufacturer's Name	Hornady Manufacturing Company	Emergency Contact: Steve
1.7	Manufacturer's Address	P.O. Box 1848, Grand Island, Ne 68802 USA	Collings
1.8	Business Phone	+1 (308) 382-1390	0800 303 303
1.9	Emergency Phone	CHEMTREC: +1 (800) 424-9300 / +1 (703) 527-3887	0274 905 708
1.10	Prepared By	M. Graczyk	Poison Control 0800 POISON (0800 764 766)

2. HAZARD IDENTIFICATION

2.1

HAZARD CLASSIFICATION:
Explosive Hazard Division 1.4. Skin Sensitization Category 1A.

SIGNAL WORD:
Warning

HAZARD STATEMENT:
H204- Fire or projection hazard.
H412- Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS, PREVENTION:
P210- Keep away from heat and open flames - No Smoking. P250- Do not subject to friction, grinding, shock. P280- Wear protective eye protection. P280- Wear protective eye protection.

PRECAUTIONARY STATEMENTS, RESPONSE:
P264- Wash hands thoroughly after handling. P273- Avoid release to the environment. P370+P280- In case of fire: Evacuate area. P374- Fight fire with normal precautions for a reasonable distance.

PRECAUTIONARY STATEMENTS, DISPOSAL:
P501- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Pictogram

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

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 (mg)
Antimony Sulfide	7440-36-0	CC4025000	231-146-5	0-0.2	0.5	-	0.5	-	-
Barium Nitrate	10022-31-8	CQ9625000	233-020-5	<1	0.5	-	0.5	-	50
Copper	7440-50-8	GL5325000	231-159-6	25-75	1.0 (dust)	-	1.0 (dust)	-	100
Dibutyl Phthalate	84-74-2	TI0875000	201-557-4	0-2.0	5.0	-	5.0	-	4000
Diphenylamine	122-39-4	JJ7800000	204-539-4	<1	-	-	-	-	-
Lead Styphnate	12409-82-6	-	-	<1	0.05	-	0.05	-	100
Lithium	7439-93-2	OJ5540000	231-102-5	<1	-	-	-	-	-
Nitrocellulose	9004-70-0	QW0970000	-	5-20	-	-	-	-	-
Nitroglycerin	55-63-0	QX2100000	200-240-8	0-28	0.46	-	-	0.2	75
Tin	7440-31-5	XP7320000	231-141-8	1-15	2.0	-	2.0	-	100
Zinc	7440-66-6	ZG8600000	231-175-3	10-20	-	-	15	-	500
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 through the respiratory and/or digestive system(s) 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 result in coughing.. 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 an existing dermatitis condition.

5. FIRE & EXPLOSION HAZARDS

5.1	Flashpoint & Method: N/A		
5.2	Auto-ignition Temperature: 160°C-180°C (320°F- 356°F)		
5.3	Flammability Limits:	Lower Explosive Limit(LEL):	Upper Explosive Limit (UEL):
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°C (392°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. ACCIDENTAL RELEASE MEASURES

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 picked up by any non-sparking, non-impact tools/methods. If spill is large or other assistance is required, call numbers indicated in Section 1. 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's 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: Use proper range filtration and airflow as well as sound deadening material for indoor firing.
8.2	Respiratory Protection: Not normally needed, unless exposure exceeds established occupational exposure limits, then a NIOSH-approved respirator or self-contained breathing apparatus should be used.
8.3	Eye Protection: Use safety glasses to prevent eye irritation or injury from airborne particles/fragments.
8.4	Hand Protection: None.
8.5	Body Protection: Wash hands thoroughly after use and before eating, drinking, or using tobacco.
8.6	Hearing Protection: Use adequate hearing protection when using firearms.
8.7	Notes: When cartridges are fired in a firearm, the fired projectiles may cause serious injury or death. Use ammunition ONLY in firearms that are of the correct caliber and in good condition. ALWAYS keep the muzzle pointed in a safe direction. Projectiles have extremely long range, always be certain to have an adequate backstop. To avoid ricochet, do not fire at water, rocks or other hard or flat surfaces.

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
9.7	Appearance & Color:	N/A
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:	N/A

10. STABILITY & REACTIVITY	
10.1	Stability: Stable under recommended handling and storage conditions (see section 7).
10.2	Decomposition Products: Carbon monoxide, nitrogen oxides, lead oxides, lead fume, lead dust
10.3	Polymerization: Will not occur.
10.4	Conditions to Avoid: Mechanical shock, electrical discharge, extreme heat.
10.5	Incompatible Substance: Acids, Class A & B explosives, caustics, strong oxidizers

11. TOXICOLOGICAL INFORMATION

11.1 Toxicity Data:
LD50 and LC50

Lead Compounds	LD50 (oral)	N/a	LC50 (inhalation)	N/A	IDLH	100mg/m³
Barium:	LD50 (oral)	187mg/kg (rat)	LC50 (inhalation)	N/A	IDLH	50mg/m³
Copper:	LD50 (oral)	1,000mg/m³	LC50 (inhalation)	>2,000mg/m³	IDLH	100mg/m³
Dibutyl Phthalate	LD50 (oral)	3,474mg/kg (mouse)	LC50 (inhalation)	25mg/m³ (2H) (mouse)	IDLH	9,300mg/m³
Nitrocellulose	LD50 (oral)	>5g/kg	LC50 (inhalation)	N/A	IDLH	N/A
Nitroglycerine	LD50 (oral)	1,607mg/kg (rabbit)	LC50 (inhalation)	N/A	IDLH	75mg/m³
Zinc	LD50 (oral)	7,950mg/kg (mouse)	LC50 (inhalation)	2,500mg/m³ (mouse)	IDLH	500mg/m³

11.2 Acute Toxicity:
See section 4

11.3 Chronic Toxicity:
See section 4

11.4 Suspected Carcinogen: Yes

11.5

Mutagenicity:	This product is not expected to cause mutagenic effects in humans. Mutagenic effects have occurred in experimental animals.
Embryo-toxicity:	This product is not expected to cause embryo-toxic 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 not expected to cause reproductive harm in humans.

11.6 Irritancy of Product:
N/A

11.7 Biological Exposure Indices:
NA

11.8 Medical Recommendations:
Treat symptomatically

12. ECOLOGICAL INFORMATION

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

12.2

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)

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

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

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

Zinc:
Depending on conditions, as little as 0.13mg/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: D003, D008, depending on condition

14. TRANSPORTATION INFORMATION

14.1	49 CFR U.S. Department of Transportation:	
	Proper Shipping Name:	Cartridges, Small Arms
	Hazard Class:	1.4S
	ID Number:	UN 0012
	Packing Group:	N/A
	Label Statement:	None for highway/water/rail; 1.4 placard for individual packages over 1001 lbs.
	Note: Product may be reclassified as hazardous material in Limited Quantities if packaged per 49 CFR 173.63. Package may then be marked Limited Quantities per 49 CFR 172.315	
14.2	IATA (AIR):	
	Proper Shipping Name:	Cartridges, Small Arms
	Hazard Class:	1.4S
	ID Number:	UN 0012
	Packing Group:	N/A
	Label Statement:	1.4S Label
14.3	IMGD (OCN):	
	Proper Shipping Name:	Cartridges for Weapons, Inert Projectile or Cartridges, Small arms
	Hazard Class:	1.4S
	ID Number:	UN 0012
	EmS- No. (Fire):	F-B
	EmS- No. (Spillage):	S-X
	Note: Product may be reclassified as Limited Quantities dangerous goods when packaged and transported in accordance with Chapter 3.4	
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
	Note: Product may be shipped under the Limited Quantity provisions of section 1.17 when packaged in accordance with Special Provision 125.	
14.5	ADR/RID (EU):	
	Proper Shipping Name:	Cartridges, Small Arms
	Hazard Class:	1.4S
	ID Number:	UN 0012
	Packing Group:	N/A
	Label Statement:	1.4S
	Note: Product may be reclassified as Limited Quantities dangerous goods when packaged and transported in accordance with Chapter 3.4	

15. REGULATORY INFORMATION HSR100263

15.1	SARA Reporting Requirements: Nitroglycerin if above threshold	
15.2	SARA Threshold Planning Quantity: N/A	
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
	Zinc:	1,000 lbs
15.5	311/312: Release of Pressure	
15.6	California Proposition 65: WARNING: This product can expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. 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 injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.	
15.7	State Regulatory Information:	
	California:	Dibutyl Phthalate
	Massachusetts:	Copper, Dibutyl Phthalate, Nitrocellulose, Nitroglycerin, Zinc
	Michigan:	Copper, Zinc
	Minnesota:	Dibutyl Phthalate
	New Jersey:	Copper, Dibutyl Phthalate, Nitrocellulose, Nitroglycerin, Zinc
	Pennsylvania:	Copper, Dibutyl Phthalate, Nitrocellulose, Nitroglycerin
15.8	67/548/EEC (European Union) and CLP/GHS (1272/2008/EC) Requirements: **Hazard Classification:** E - Explosive **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-0 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