



HORNADY® Bullets, Slugs, Buckshot, and Muzzleloader Projectiles

1.1 Product identifier

Brand HORNADY®

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™, DGX® Bonded, A-Tip™

Reloading

Telephone (308) 382-1390
Fax (308) 382-5761
email www.hornady.com

CHEMTREC: (800) 424-9300 / (703) 527-3887

SECTION 2: Hazard identification

- Toxic to reproduction, Cat. 1A
- Toxic to reproduction, effects on or via lactation
- Acute toxicity, oral, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 3
- Specific target organ toxicity (repeated exposure), Cat. 1
- Hazard not otherwise classified

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2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H360	May damage fertility or the unborn child
H362	May cause harm to breast-fed children
H301	Toxic if swallowed
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H372	Causes damage to organs through prolonged or repeated exposure
H350	May cause cancer
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P263	Avoid contact during pregnancy/while nursing.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local, regional, national, and/or international regulations.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician
P321	Specific treatment (see section 4 on this label).
P330	Rinse mouth.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P314	Get medical advice/attention if you feel unwell.
P273	Avoid release to the environment.
P281	Use personal protective equipment as required.

Routes of Entry:

Inhalation: Yes Absorption: No Ingestion: Yes

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SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Aluminum (Disk, Foil, or Sheet)

Concentration	0-7 % (weight)
EC no.	231-072-3
CAS no.	7429-90-5
Index no.	013-002-00-1

2. ANTIMONY

Concentration	0-5 % (weight)
EC no.	231-146-5
CAS no.	7440-36-0

3. Copper (Foil, Rod, Slug)

Concentration	0-45 % (weight)
CAS no.	7440-50-8

4. Lead

Concentration	25 - 100 % (weight)
EC no.	231-100-4
CAS no.	7439-92-1
Index no.	082-014-00-7

5. Molybdenum sulfide (MoS₂)

Concentration	0-<1 % (weight)
CAS no.	1317-33-5

6. Zinc (foil rod, slug)

Concentration	0-20 % (weight)
EC no.	231-175-3
CAS no.	7440-66-6
Index no.	030-001-01-9

7. OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION

THE REMAINING COMPONENTS DO NOT CONTRIBUTE ANY SIGNIFICANT ADDITIONAL HAZARDS

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Medical Conditions Aggravated by Exposure: Repeated or prolonged exposure may aggravate and existing dermatitis condition.
If inhaled	Inhalation of dust/fume may lead to the effects described above (ingestion), as well as respiratory irritation.
In case of skin contact	Minimal irritation. Wash hands after handling and before eating, drinking, or tobacco use to reduce changes of ingestion.
In case of eye contact	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.

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If swallowed

Ingestion of lead dust or fume can eventually lead to damage of 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 a carcinogen in animals and in humans. Ingestion of molybdenum in sufficient quantities may cause gastrointestinal irritation, diarrhea, coma, and death from cardiac failure.

Personal protective equipment for first-aid responders

No additional protective equipment required under most normal circumstances

4.2 Most important symptoms/effects, acute and delayed

Refer to section 11 for toxicological information.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If respiration has stopped administer CPR and get medical attention immediately.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Not relevant to this product; choose extinguishing media suitable to surrounding materials

5.2 Specific hazards arising from the chemical

This product is not a fire or explosion hazard

5.3 Special protective actions for fire-fighters

Use SCBA

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Normal safety precautions and procedures.

6.3 Methods and materials for containment and cleaning up

Spills will not normally require emergency response. If spill is large or other assistance is required, call numbers indicated in Section 1.

Refer to Section 15 for reportable quantities of spilled material.

Reference to other sections

Section 1

Section 15

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use protective equipment as required. Avoid breathing dust or fume. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container. Store in a cool, dry, well-ventilated place. Keep out of reach of children.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. ANTIMONY (CAS: 7440-36-0)

PEL (Inhalation): 0.5 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 0.5 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 0.5 mg/m³ (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

2. Lead (CAS: 7439-92-1)

PEL (Inhalation): 0.05 mg/m³, See Section 5198 (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 0.05 mg/m³, See Appendix C (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Use 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

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses.

Skin protection

Not normally needed. Wash hands thoroughly after use and before eating, drinking, or using tobacco.

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.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Cylindrical projectile. May be pointed, flat-tipped, hollow point, or polymer point. Projectile may be lead only (grey) or fully or partially jacketed in copper or brass. Moly coated bullets will be dark grey in color.
Odor	N/A
Odor threshold	N/A
pH	N/A
Melting point/freezing point	N/A
Initial boiling point and boiling range	N/A
Flash point	N/A
Evaporation rate	N/A
Flammability (solid, gas)	Not Flammable
Upper/lower flammability limits	N/A
Vapor pressure	N/A
Vapor density	N/A
Relative density	N/A
Solubility(ies)	Insoluble

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Partition coefficient: n-octanol/water	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity	N/A
Explosive properties	Not Explosive.
Oxidizing properties	N/A

SECTION 10: Stability and reactivity

10.1 Reactivity

Polymerization: Will not occur.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

N/A

10.4 Conditions to avoid

Open flame/high heat (melting).

10.5 Incompatible materials

Acids and caustics.

10.6 Hazardous decomposition products

Oxides, fume, and dusts from metals listed in section 1

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

See section 2.1

Skin corrosion/irritation

N/A

Serious eye damage/irritation

N/A

Respiratory or skin sensitization

N/A

Germ cell mutagenicity

This product is not expected to cause mutagenic effects in humans. Mutagenic effects have occurred in experimental animals

Carcinogenicity

Trace amounts of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be present in this product.

Reproductive toxicity

Repeated or prolonged exposure of this product may increase potential for reproductive effects in humans.

Summary of evaluation of the CMR properties

Medical Recommendations: Treat symptomatically as necessary.

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Section 11 (Cont.)

STOT-single exposure

See Section 2 for all risks.

STOT-repeated exposure

See Section 2 for all risks.

Aspiration hazard

N/A

SECTION 12: Ecological information

Toxicity

Ecological Information: This product has no ecological information available.

Individual component information as follows:

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.

Zinc: Depending on conditions, as little as 0.13mg/L may be toxic to some species.

SECTION 13: Disposal considerations

Disposal of the product

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.

RCRA Hazard Class: D008

SECTION 14: Transport information

DOT (US)

Not regulated as a hazardous material.

IMDG

Not regulated as a hazardous material.

IATA

Not regulated as a hazardous material.

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Aluminum (fume or dust)

CAS number: 7429-90-5

Chemical name: Antimony

CAS number: 7440-36-0

Chemical name: Copper

CAS number: 7440-50-8

Chemical name: Lead

CAS number: 7439-92-1

Chemical name: Zinc

CAS number: 7440-66-6

New Jersey Right To Know Components

Common name: ALUMINUM

CAS number: 7429-90-5

Common name: ANTIMONY

CAS number: 7440-36-0

Common name: COPPER

CAS number: 7440-50-8

Common name: LEAD

CAS number: 7439-92-1

Common name: ZINC

CAS number: 7440-66-6

Pennsylvania Right To Know Components

Chemical name: Aluminum

CAS number: 7429-90-5

Chemical name: Antimony

CAS number: 7440-36-0

Chemical name: Copper

CAS number: 7440-50-8

Chemical name: Lead

CAS number: 7439-92-1

Chemical name: Zinc

CAS number: 7440-66-6

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Canadian Domestic Substances List (DSL)

Chemical name: Aluminum

CAS: 7429-90-5

Chemical name: Antimony

CAS: 7440-36-0

Chemical name: Copper

CAS: 7440-50-8

Chemical name: Lead

CAS: 7439-92-1

Chemical name: Molybdenum sulfide (MoS₂)

CAS: 1317-33-5

Chemical name: Zinc

CAS: 7440-66-6

California Prop. 65 components

Chemical name: Lead

CAS number: 7439-92-1

02/27/1987 - Developmental toxicity

02/27/1987 - Female reproductive toxicity

02/27/1987 - Male reproductive toxicity

10/01/1992 - Cancer

SARA 313 Reportable Ingredients:

Antimony, Copper, Lead

Toxic Substances Control Act (TSCA) Inventory

All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.

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).

Antimony: 5,000 lbs

Copper: 5,000 lbs

Lead: 10 lbs

Zinc: 1,000 lbs

European Regulations:

This material in its solid form is not required to be labeled under EC regulations.

Canadian Regulations:

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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HMIS Rating

HORNADY® Bullets, Slugs, Buckshot, and Muzzleloader Projectiles	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information

16.1 Further information/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.

16.2 Preparation information

Prepared By: S.Duncan