



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

2.1 Classification of the substance or mixture

- 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, state, and federal regulations.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor
P321	Specific treatment (see label).
P330	Rinse mouth.
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 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.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Aluminum (Disk, Foil, or Sheet)

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

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2. ANTIMONY

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

3. Copper (Foil, Rod, Slug)

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

6. Zinc (foil rod, slug)

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

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water. Get medical attention if symptoms occur.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	If ingested, call physician immediately.

Personal protective equipment for first-aid responders

In event of emergency, assess the danger before taking action. Do not put yourself at risk of injury. Use personal protective equipment as required. Victims of chemical exposure must be taken for medical attention. If necessary, rescuers should be taken for medical attention. Take a copy of label and SDS to physician or health professional with victim.

4.2 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.

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

No special immediate medical attention or special treatment needed.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Fight fire with normal precautions from a reasonable distance.

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

Do not breathe fumes from fires or vapors from decomposition. Exercise caution when fighting any chemical fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not normally needed, unless exposure exceeds established occupational exposure limits, then a NIOSH-approved respirator or self-contained breathing apparatus should be used.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Keep in suitable, closed containers for disposal.

Reference to other sections

For emergency assistance see section 1.

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.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 7439-92-1

Lead

Cal/OSHA: 0.05 mg/m³, See Section 5198 PEL inhalation; NIOSH: 0.05 mg/m³, See Appendix C REL inhalation

CAS: 7440-36-0

ANTIMONY

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Cal/OSHA: 0.5 mg/m3 PEL inhalation; NIOSH: 0.5 mg/m3 REL inhalation; OSHA: 0.5 mg/m3 PEL inhalation

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

Use safety glasses to prevent eye irritation or injury from airborne particles/fragments.

Skin protection

None required with normal consumer use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Body protection

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	No data available.
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	Not Flammable
Upper/lower flammability limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	Not Explosive
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

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10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Open flame and high heat (melting).

10.5 Incompatible materials

Do not store near acids, bases, and strong oxidizing agents.

10.6 Hazardous decomposition products

Oxides, fumes, and dusts from metals listed in Section 3.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Components: Antimony

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Acute and delayed symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

Skin corrosion/irritation

Based on available data, classification data are not met.

Serious eye damage/irritation

May cause eye irritation.

Respiratory or skin sensitization

Based on available data, classification data are not met.

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

Potential human carcinogen.

Reproductive toxicity

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

STOT-single exposure

May cause damage to organs.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be harmful if swallowed and enters airways.

SECTION 12: Ecological information

Toxicity

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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 ensuring that product 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

Disposal of contaminated packaging

Dispose of container in accordance with all local/regional/national/international regulations.

Sewage disposal

This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

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.

SECTION 15: Regulatory information

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

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

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

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Chemical name: Lead
CAS: 7439-92-1

Chemical name: Molybdenum sulfide (MoS₂)
CAS: 1317-33-5

Chemical name: Zinc
CAS: 7440-66-6

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.

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.

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

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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

SARA 313 Reportable Ingredients:

Antimony, Copper, Lead

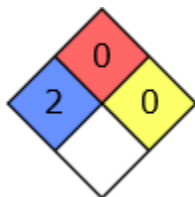
Toxic Substances Control Act (TSCA) Inventory

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

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

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own

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investigation to determine the suitability of information for their particular purposes. In no event shall Hornady Manufacturing Company be liable for claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Hornady Manufacturing Company has been advised of the possibility of such damages.

16.2 Preparation information

Prepared By: M. Graczyk