

Safety Data Sheet

Hornady® Centerfire Rifle and Pistol Ammunition

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word:

Danger

Hazard statement(s)

H204 Fire or projection hazard
H301 Toxic if swallowed
H310 Fatal in contact with skin
H317 May cause an allergic skin reaction
H332 Harmful if inhaled
H341 Suspected of causing genetic defects
H350 May cause cancer
H360 May damage fertility or the unborn child
H362 May cause harm to breast-fed children
H372 Causes damage to liver, kidneys, central nervous system, through prolonged or repeated exposure

H351 Suspected of causing cancer
H412 Harmful to aquatic life with long lasting effects

Precautionary statement(s)

P262 Do not get in eyes, on skin, or on clothing.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water/...
P310 Immediately call a POISON CENTER/doctor/...
P321 Specific treatment (see ... on this label).
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container to ...
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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P330 Rinse mouth.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P272 Contaminated work clothing must not be allowed out of the workplace.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P314 Get medical advice/attention if you feel unwell.
P263 Avoid contact during pregnancy/while nursing.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240 Ground/bond container and receiving equipment.
P250 Do not subject to grinding/shock/friction.
P370+P380 In case of fire: Evacuate area.
P372 Explosion risk in case of fire.
P373 DO NOT fight fire when fire reaches explosives.
P374 Fight fire with normal precautions from a reasonable distance.
P401 Store in a cool and dry location
P501 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

P273 Avoid release to the environment.
P370+P280 In case of fire: Evacuate Area.

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2.3 Other hazards which do not result in classification

This product is a finished metal alloy cartridge, which contains the various components completely sealed within. Therefore, under normal handling of this product, no exposure to any harmful materials is expected to occur. When the ammunition is fired, a small amount of particles may be generated which may be slightly irritating to the eyes and the respiratory tract. The particles may contain trace amounts of these harmful substances, however, it is unlikely that the amount of particles from firing a loaded round would be sufficient to cause any of these effects.

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

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Aluminum (Disk, Foil, or Sheet)

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

2. ANTIMONY

Concentration 0-2.5 % (weight)
EC no. 231-146-5
CAS no. 7440-36-0

3. Antimony sulfide (Sb₂S₅)

Concentration <1 % (weight)
CAS no. 1315-04-4

4. Barium nitrate

Concentration <1 % (weight)
CAS no. 10022-31-8

5. Copper (Foil, Rod, Slug)

Concentration 5 - 60 % (weight)
CAS no. 7440-50-8

6. DI-N-BUTYL PHTHALATE

Concentration 0-1.3 % (weight)
EC no. 201-557-4
CAS no. 84-74-2
Index no. 607-318-00-4

7. 2,4-Dinitrotoluene

Concentration <1 % (weight)
EC no. 204-450-0
CAS no. 121-14-2
Index no. 609-007-00-9

8. N-PHENYLBENZENAMINE

Concentration <1 % (weight)
EC no. 204-539-4
CAS no. 122-39-4
Index no. 612-026-00-5

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9. Lead

| | |
|---------------|-------------------|
| Concentration | 5 - 50 % (weight) |
| EC no. | 231-100-4 |
| CAS no. | 7439-92-1 |
| Index no. | 082-014-00-7 |

10. LEAD STYPHNATE

| | |
|---------------|---------------|
| Concentration | <1 % (weight) |
| EC no. | 239-290-0 |
| CAS no. | 15245-44-0 |
| Index no. | 609-019-01-1 |

11. NICKEL

| | |
|---------------|---------------|
| Concentration | <1 % (weight) |
| EC no. | 231-111-4 |
| CAS no. | 7440-02-0 |
| Index no. | 028-002-01-4 |

12. Nitrocellulose

| | |
|---------------|-------------------|
| Concentration | 5 - 20 % (weight) |
| CAS no. | 9004-70-0 |

13. Nitroglycerin

| | |
|---------------|------------------|
| Concentration | 0-2.5 % (weight) |
| EC no. | 200-240-8 |
| CAS no. | 55-63-0 |
| Index no. | 603-034-01-7 |

14. PENTAERYTHRITOL TETRANITRATE MIXTURE

| | |
|---------------|-----------------|
| Concentration | 0-<1 % (weight) |
| EC no. | 201-084-3 |
| CAS no. | 78-11-5 |
| Index no. | 603-035-01-2 |

15. Guanyl nitrosaminoguanyltetrazene

| | |
|---------------|-----------------|
| Concentration | 0-<1 % (weight) |
| CAS no. | 109-27-3 |

16. Zinc (foil rod, slug)

| | |
|---------------|--------------|
| Concentration | <1-20 |
| EC no. | 231-175-3 |
| CAS no. | 7440-66-6 |
| Index no. | 030-001-01-9 |

17. OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION

| | |
|---------------|---------|
| Concentration | Balance |
|---------------|---------|

THE REMAINING COMPONENTS DO NOT CONTRIBUTE ANY SIGNIFICANT ADDITIONAL HAZARDS

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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 | If signs of lung irritation occur, remove victim to fresh air immediately. If respiration has stopped administer CPR and get medical attention immediately. |
| In case of skin contact | Wash affected skin thoroughly with soap and water. |
| In case of eye contact | Immediately flush out fume or particles with large amounts of water for at least 15 minutes. If irritation develops, call physician. |
| 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. 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 decrease in blood pressure, headache, cyanosis and mental confusion may result from nitroglycerin in the product.

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

Fight fire with normal precautions from a reasonable distance.

5.2 Specific hazards arising from the chemical

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.

5.3 Special protective actions for fire-fighters

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.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas.

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.3 Methods and materials for containment and cleaning up

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.

Reference to other sections

Section 1

SECTION 7: Handling and storage

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 Conditions for safe storage, including any incompatibilities

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.

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. DI-N-BUTYL PHTHALATE (CAS: 84-74-2)

PEL (Inhalation): 5 mg/m³ (OSHA)

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

PEL (Inhalation): 5 mg/m³ (Cal/OSHA)

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

REL (Inhalation): 5 mg/m³ (NIOSH)

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

3. 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

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4. NICKEL POWDER (CAS: 7440-02-0)

PEL (Inhalation): 1 mg/m³ (OSHA)

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

PEL (Inhalation): metal 0.5 mg/m³, insoluble 0.1 mg/m³ (Cal/OSHA)

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

REL (Inhalation): Ca, 0.015 mg/m³, See Appendix A (NIOSH)

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

PEL (Inhalation): 1 mg/m³ (OSHA)

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

PEL (Inhalation): 0.05 mg/m³ (Cal/OSHA)

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

REL (Inhalation): Ca 0.015 mg/m³ (NIOSH)

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

PEL (Inhalation): 1 mg/m³ (OSHA)

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

PEL (Inhalation): metal 0.5 mg/m³, insoluble 0.1 mg/m³ (Cal/OSHA)

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

REL (Inhalation): Ca, 0.015 mg/m³, See Appendix A (NIOSH)

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

PEL (Inhalation): 1 mg/m³ (OSHA)

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

PEL (Inhalation): 0.05 mg/m³ (Cal/OSHA)

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

REL (Inhalation): Ca 0.015 mg/m³ (NIOSH)

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

5. Nitroglycerin (CAS: 55-63-0)

PEL (Inhalation): (C) 0.2 ppm (OSHA)

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

PEL (Inhalation): (C) 2 mg/m³ (OSHA)

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

PEL (Inhalation): 0.05 ppm for mixture of nitroglycerine and ethylene glycol dinitrate, (ST) 0.1 mg/m³ (Cal/OSHA)

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

REL (Inhalation): (ST) 0.1 mg/m³ (NIOSH)

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

8.2 Appropriate engineering controls

Use proper range filtration and airflow as well as sound deadening material for indoor firing.

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

Eye/face protection

Safety glasses.

Skin protection

None.

Body protection

Wash hands thoroughly after use and before eating, drinking, or using tobacco

Hearing Protection

Use adequate hearing protection when using firearms.

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8.3 (Cont.)

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.

Environmental exposure controls

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.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|---|----------------------------|
| Appearance/form (physical state, color, etc.) | N/A |
| 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) | N/A |
| Upper/lower flammability limits | N/A |
| Vapor pressure | N/A |
| Vapor density | N/A |
| Relative density | N/A |
| Solubility(ies) | Insoluble |
| Partition coefficient: n-octanol/water | N/A |
| Auto-ignition temperature | 160°C-180°C (320°F- 360°F) |
| Decomposition temperature | N/A |
| Viscosity | N/A |
| Explosive properties | N/A |
| 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

Mechanical shock, electrical discharge, extreme heat.

10.5 Incompatible materials

Acids, class A & B explosives, caustics, strong oxidizers

10.6 Hazardous decomposition products

Lead oxides, lead fume, lead dust, carbon monoxide, nitrogen oxides

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SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

See section 4

// ----- From the Suggestion report (05/27/2020, 1:33 PM) ----- //
ATE (dermal) of mixture: 197.37 mg/kg

// ----- From the Suggestion report (05/27/2020, 1:33 PM) ----- //
ATE (inhalation, gaseous) of mixture: 3561.33 ppmv

// ----- From the Suggestion report (05/27/2020, 1:33 PM) ----- //
ATE (oral) of mixture: 191.57 mg/kg

Skin corrosion/irritation

N/A

Serious eye damage/irritation

N/A

Respiratory or skin sensitization

See section 4

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 harm in humans.

STOT-single exposure

See section 4

STOT-repeated exposure

See section 4

Aspiration hazard

See section 4

Additional information

Medical Recommendations: Treat symptomatically

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SECTION 12: Ecological information

Toxicity

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

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

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

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

Zinc: Depending on conditions, as little as .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: D003, D008, depending on condition

SECTION 14: Transport information

DOT (US)

UN Number: 0012

Class: 1.4S

Packing Group: N/A

Proper Shipping Name: Cartridges, Small Arms

Reportable quantity (RQ): N/A

Marine pollutant: N/A

Poison inhalation hazard: 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

IMDG

UN Number: 0012

Class: 1.4S

Packing Group: N/A

EMS Number: F-B (Fire), S-X (Spillage)

Proper Shipping Name: Cartridges for Weapons, Inert Projectile

Note: Product may be reclassified as Limited Quantities dangerous goods when packaged and transported in accordance with Chapter 3.4

IATA

UN Number: 0012

Class: 1.4S

Packing Group: N/A

Proper Shipping Name: Cartridges for Weapons, Inert Projectile

Label Statement: 1.4S Label

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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: Dibutyl phthalate

CAS number: 84-74-2

Chemical name: 2,4-Dinitrotoluene

CAS number: 121-14-2

Chemical name: Diphenylamine

CAS number: 122-39-4

Chemical name: Lead

CAS number: 7439-92-1

Chemical name: Nickel

CAS number: 7440-02-0

Chemical name: Nitroglycerin

CAS number: 55-63-0

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: BARIUM NITRATE

CAS number: 10022-31-8

Common name: COPPER

CAS number: 7440-50-8

Common name: DI-n-BUTYL PHTHALATE

CAS number: 84-74-2

Common name: 2,4-DINITROTOLUENE

CAS number: 121-14-2

Common name: DIPHENYLAMINE

CAS number: 122-39-4

Common name: LEAD

CAS number: 7439-92-1

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Common name: LEAD STYPHNATE
CAS number: 15245-44-0

Common name: NICKEL
CAS number: 7440-02-0

Common name: NITROCELLULOSE
CAS number: 9004-70-0

Common name: NITROGLYCERIN
CAS number: 55-63-0

Common name: PENTAERYTHRITE TETRANITRATE
CAS number: 78-11-5

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: Antimony sulfide
CAS number: 1315-04-4

Chemical name: Nitric acid, barium salt
CAS number: 10022-31-8

Chemical name: Copper
CAS number: 7440-50-8

Chemical name: 1,2-Benzenedicarboxylic acid, dibutyl ester
CAS number: 84-74-2

Chemical name: Benzene, 1-methyl-2,4-dinitro-
CAS number: 121-14-2

Chemical name: Benzenamine, N-phenyl-
CAS number: 122-39-4

Chemical name: Lead
CAS number: 7439-92-1

Chemical name: Nickel
CAS number: 7440-02-0

Chemical name: Cellulose, nitrate
CAS number: 9004-70-0

Chemical name: 1,2,3-Propanetriol, Trinitrate
CAS number: 55-63-0

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: Nitric acid, barium salt

CAS: 10022-31-8

Chemical name: Copper

CAS: 7440-50-8

Chemical name: 1,2-Benzenedicarboxylic acid, dibutyl ester

CAS: 84-74-2

Chemical name: Benzene, 1-methyl-2,4-dinitro-

CAS: 121-14-2

Chemical name: Benzenamine, N-phenyl-

CAS: 122-39-4

Chemical name: Lead

CAS: 7439-92-1

Chemical name: 1,3-Benzenediol, 2,4,6-trinitro-, lead(2++) salt (1:1)

CAS: 15245-44-0

Chemical name: Nickel

CAS: 7440-02-0

Chemical name: Cellulose, nitrate

CAS: 9004-70-0

Chemical name: 1,2,3-Propanetriol, trinitrate

CAS: 55-63-0

Chemical name: 1,3-Propanediol, 2,2-bis[(nitrooxy)methyl]-, dinitrate (ester)

CAS: 78-11-5

Chemical name: Zinc

CAS: 7440-66-6

Canadian Non-Domestic Substances List (NDSL)

Chemical name: Antimony sulfide (Sb₂S₅)

CAS: 1315-04-4

Chemical name: 1-Tetrazene-1-carboximidic acid, 4-(aminoiminomethyl)-, 2-nitrosohydrazide

CAS: 109-27-3

SARA Reporting Requirements

Nitroglycerin if above threshold

SARA Threshold Planning Quantity

N/A

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California Prop. 65 components

Chemical name: DI-N-BUTYL PHTHALATE

CAS number: 84-74-2

12/02/2005 - Developmental toxicity

12/02/2005 - Female reproductive toxicity

12/02/2005 - Male reproductive toxicity

Chemical name: 2,4-Dinitrotoluene

CAS number: 121-14-2

07/01/1988 - Cancer

08/20/1999 - Male reproductive toxicity

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

Chemical name: LEAD STYPHNATE

CAS number: 15245-44-0

02/27/1987 - Developmental toxicity

02/27/1987 - Female reproductive toxicity

02/27/1987 - Male reproductive toxicity

10/01/1992 - Cancer

Chemical name: NICKEL POWDER

CAS number: 7440-02-0

10/01/1989 - Cancer

Toxic Substances Control Act (TSCA) Inventory Status

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

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

SARA 311/312 Hazards

Release of Pressure

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.

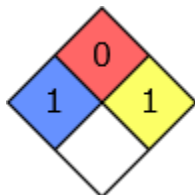
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HMIS Rating

| Hornady® Centerfire Rifle and Pistol Ammunition | |
|---|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 2 |
| PERSONAL PROTECTION | A |

NFPA Rating



SECTION 16: Other information

See Section 2 (Hazards Identification). Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

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 investigation to determine the suitability of information for their particular purposes. In no event shall Hornady Manufacturing Company be liable for any 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.

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.

16.2 Preparation information

Prepared By: M. Graczyk