

**SAFETY DATA SHEET****1. PRODUCT IDENTIFICATION**

Product Name	Centerfire Rifle Ammunition
Synonyms	Cartridges, Small Arms Ammunition
Product Use	Firearm Ammunition
Manufacturer's Name	Weatherby, Inc.
Manufacturer's Address	1550 Yellowtail Dr., Sheridan, WY 82801
Business Phone	(307) 675-7840
Emergency Phone (CHEMTRC)	(800) 424-9300

**2. HAZARD(S) IDENTIFICATION**

## US DOT SYMBOLS



## GHS HAZARD SYMBOLS



## CANADA (WHMIS) SYMBOLS

Product not subject to WHMIS  
Class 6 Explosive

HAZARD CLASSIFICATIONS (US)

Explosive Division 1.4

Acute Toxicity (inhalation) Category 3

Skin Sensitization Category 1A

Carcinogenicity Category 2

Reproductive Toxicity Category 1A

Specific Target Organ Toxicity – Repeated Exposure Category 1

SINGLE WORD**DANGER**HAZARD STATEMENTS

H204: Fire or projection hazard

H317: May cause an allergic skin reaction

H335: May cause respiratory irritation

H350: May cause cancer

H360: May damage fertility or the unborn child

H372: Causes damage to nervous system, kidneys, central nervous system through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

P102: Keep out of reach of children

P210: Keep away from heat/sparks/open flame/hot surfaces – No smoking

P250: Do not subject to shock/friction

P260: Do not breathe dust/fume

P264: Wash hands thoroughly after handling

P270: Do not eat, drink or smoke when using this product



P271: Use only outdoors or in a well-ventilated area  
 P280: Wear protective clothing, eye protection and hearing protection  
 P370+P380: In case of fire – Evacuate area  
 P374: Fight fire with normal precautions from a reasonable distance  
 P410: Store in accordance with local regulations  
 P501: Dispose of contents in accordance with local regulations

#### CLASSIFICATIONS (EU)

Hazard Symbols E, T, N  
 Carcinogenicity Category 1  
 Reproductive Toxicity Category 1

R2: Risk of explosion by shock, friction, fire or other sources of ignition  
 R45: May cause cancer  
 R48: Danger of serious damage to health by prolonged exposure  
 R60/61: May impair fertility or cause harm to the unborn child  
 R63: Possible risk of harm to the unborn child

S2: Keep out of reach of children  
 S15: Keep away from heat – No smoking  
 S20/21: When using do not eat, drink or smoke  
 S23: Do not breathe dust/fume  
 S39: Wear eye/face protection  
 S43: In case of fire, use Class A equipment  
 S51: Use only in well-ventilated areas

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	% By Weight	CAS Number	EC Number
Lead	17 - 55	7439-92-1	231-100-4
Copper	24 - 60	7440-50-8	231-159-6
Nickel	0 – 2	7440-02-0	231-111-4
Zinc	4 – 28	7440-66-6	231-175-3
Nitrocellulose	11 – 28	9004-70-0	Not Listed
Nitroglycerin	0 – 4	55-63-0	200-240-8
Lead Styphnate	0 – 1	15245-44-0	239-290-0
Antimony	0 – 2	744036-0	231-146-5
Aluminum	0 – 3	7429-90-5	231-072-3

### **4. FIRST-AID MEASURES**

#### EYE CONTACT

Immediately flush out fume or particles with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, call a physician immediately.

#### SKIN CONTACT

May cause allergic skin reaction. Wash affected skin thoroughly with soap and water. If irritation develops, call a physician.

#### INHALATION

If signs of lung irritation occur including coughing, wheezing or breathing difficulty, remove victim from exposure area to fresh air immediately. If respiration has stopped administer Cardiopulmonary Resuscitation (CPR) and seek medical attention immediately.

#### INGESTION

If ingested, call a physician 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 and can result in both acute and chronic overexposure. Inhalation of large quantities can irritate airways and cause coughing. Loss of blood pressure, head ache,



cyanosis, dizziness and confusion can be caused by the nitroglycerine in the product. Ingestion can cause gastrointestinal irritation, dizziness, vomiting and diarrhea. Contact with eyes can cause irritation such as burning and redness. Contact with skin can cause redness and pain.

## 5. FIRE-FIGHTING MEASURES

HMIS Rating System Health: 0 Flammability: 1 Reactivity: 2 Other: N/A  
Hazard Scale 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

### PROPERTIES

Explosive; fire or projection hazard

Not considered flammable, but may burn at high temperatures. Do not expose to heat or ignition sources as this could cause an explosion. If heated to 200°C (392°F) may explode.

### EXTINGUISHING MEDIA

Flood fire with water. If water is not available, use carbon dioxide, dry chemical or earth.

### FIRE-FIGHTING INSTRUCTIONS

Evacuate area immediately. Deluge area with water. Wear full fire-fighting protective gear including but not limited to: impervious boots, gloves, hard hat, chemically impermeable suit, face shield or SCBA to protect from fragments.

## 6. ACCIDENTAL RELEASE MEASURES

Spills will not normally require emergency response. However, spills of this material should be handled carefully as improper clean-up could result in fire or explosion. Only use non-spark, non-impact tools/methods when cleaning up a spill. Do not subject the spilled material to open flame, static discharge, friction, shock, excessive heat, or mechanical impact. If spill is large or other assistance is required, call CHEMTREC at (800) 424-9300.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Handle with care. Avoid striking the primer or crushing the rounds. Ammunition should stay in the manufacturer packaging while transferring. Avoid breathing dust or fume. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove ammunition from service if any of the following conditions have occurred: corrosion, physical damage, exposure to oil or spray type lubricants.

### CONDITIONS FOR SAFE STORAGE

Store in a cool, dry, well-ventilated place. Do not expose to excessive heat, flame or other sources of ignition – No Smoking. Avoid mechanical shock and electrical discharge. This product may not be stored with acids, strong oxidizer or caustics.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS Number	ACGIH TLV	OSHA PEL	INTERNATIONAL OEL
Lead	7439-92-1	0.05 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup> (total dust)	Austria, Finland, France, Sweden: 0.1 mg/m <sup>3</sup> Germany, Italy, Spain, United Kingdom: 0.15 mg/m <sup>3</sup> Poland: 0.5 mg/m <sup>3</sup> New Zealand: 0.1 mg/m <sup>3</sup> Alberta, Manitoba, Newfoundland & Labrador, Saskatchewan, British Columbia, Ontario, Quebec: 0.05 mg/m <sup>3</sup> , Northwest Territories: 0.15 mg/m <sup>3</sup>

				Mexico: 0.15 mg/m <sup>3</sup> Brazil: 0.1 mg/m <sup>3</sup> Japan: 0.1 mg/m <sup>3</sup> Australia (dusts/fumes): 0.05 mg/m <sup>3</sup> South Africa: 0.15 mg/m <sup>3</sup> Namibia: 0.1 mg/m <sup>3</sup> Zambia: 0.5 mg/m <sup>3</sup>
Copper	7440-50-8	0.2 mg/m <sup>3</sup> (fume), 1 mg/m <sup>3</sup> (dusts and mists)	0.1 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dusts and mists)	Austria: 0.2mg/m <sup>3</sup> (fumes), 1 mg/m <sup>3</sup> (dusts) France, Sweden, Spain, United Kingdom, Poland: 1 mg/m <sup>3</sup> Germany (MAK): 0.1 mg/m <sup>3</sup> (fume), 1 mg/m <sup>3</sup> (dusts/mists) New Zealand: 1 mg/m <sup>3</sup> Alberta, Northwest Territories, Ontario, Quebec, Saskatchewan: 1 mg/m <sup>3</sup> , British Columbia, Manitoba, Newfoundland & Labrador: 0.2 mg/m <sup>3</sup> Mexico: 1 mg/m <sup>3</sup> Australia (dusts/mists): 1 mg/m <sup>3</sup> , Australia (fume): 0.2 mg/m <sup>3</sup> South Africa: 0.2 mg/m <sup>3</sup> Namibia: 1 mg/m <sup>3</sup> Zambia: 1.75 mg/m <sup>3</sup>
Nickel	7440-02-0	None established	1 mg/m <sup>3</sup>	Finland: 0.1 mg/m <sup>3</sup> Germany: 0.006 mg/m <sup>3</sup> Alberta, Manitoba, Newfoundland & Labrador, Saskatchewan: 1.5 mg/m <sup>3</sup> , British Columbia: 0.05 mg/m <sup>3</sup> , Northwest Territories: 1 mg/m <sup>3</sup> , Ontario, Quebec: 1 mg/m <sup>3</sup> Mexico: 1 mg/m <sup>3</sup> Brazil: 0.28 mg/m <sup>3</sup> Japan: 1 mg/m <sup>3</sup> Australia: 1 mg/m <sup>3</sup> South Africa: 0.05 mg/m <sup>3</sup> Namibia: 0.1 mg/m <sup>3</sup>
Zinc	7440-66-6	None established	None established	None established
Nitrocellulose	9004-70-0	None established	None established	None established
Nitroglycerin	55-63-0	0.05 ppm (0.46 mg/m <sup>3</sup> ) Skin	Ceiling – 0.2 ppm (2 mg/m <sup>3</sup> ) Skin	Austria, France, Sweden: 0.095 mg/m <sup>3</sup> Finland: 0.1 mg/m <sup>3</sup> Germany: 0.094 mg/m <sup>3</sup> Spain, Poland: 0.5 mg/m <sup>3</sup> Norway: 0.3 mg/m <sup>3</sup> United Kingdom: 1.9 mg/m <sup>3</sup> New Zealand: 0.46 mg/m <sup>3</sup> Alberta, Manitoba, Newfoundland & Labrador, Saskatchewan, British Columbia, Ontario, Northwest Territories: 0.05 ppm, Quebec: 0.2 ppm Mexico: 0.5 mg/m <sup>3</sup> Japan: 0.46 mg/m <sup>3</sup> Australia: 0.46 mg/m <sup>3</sup> South Africa: 2 mg/m <sup>3</sup> Namibia: 0.46 mg/m <sup>3</sup>
Lead Styphnate	15245-44-0	None established	None established	None established
Antimony	7440-36-0	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>	Austria, France, Finland, Germany,



				Norway, Poland, Sweden, Norway, United Kingdom: 0.5 mg/m <sup>3</sup> New Zealand: 0.5 mg/m <sup>3</sup> Alberta, Manitoba, Newfoundland & Labrador, Saskatchewan, British Columbia, Ontario, Quebec, Northwest Territories: 0.5 mg/m <sup>3</sup> Mexico: 0.5 mg/m <sup>3</sup> Japan: 0.1 mg/m <sup>3</sup> Australia: 0.5 mg/m <sup>3</sup> Namibia: 0.50 mg/m <sup>3</sup>
Aluminum	7429-90-5	1 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	Austria: 10 mg/m <sup>3</sup> Sweden: 5 mg/m <sup>3</sup> Norway: 1 mg/m <sup>3</sup> Mexico: 10 mg/m <sup>3</sup> Alberta, Northwest Territories, Quebec, Saskatchewan: 10 mg/m <sup>3</sup> British Columbia, Manitoba, Newfoundland & Labrador, Ontario: 1 mg/m <sup>3</sup> Mexico: 10 mg/m <sup>3</sup> Australia: 10 mg/m <sup>3</sup> South Africa: 10 mg/m <sup>3</sup>

Engineering Controls

Ensure effective operation of ventilation system with scheduled inspections and routine maintenance if significant dust and/or fumes are generated.

Respiratory Protection

Not normally needed, but when there is the potential of exceeding established occupational exposure limits provide appropriate respiratory protection including HEPA cartridges/canisters.

Eye/Face Protection

Wear safety glasses.

Hand Protection

Not normally needed.

Skin Protection

Not normally needed.

Hearing Protection

Not normally needed, but when shooting/firing wear hearing protection.

General

DO NOT eat, drink, or smoke while utilizing this product. Wash hands thoroughly after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Brass case with lead bullet
Upper Flammability	Not available
Lower Flammability	Not available
Explosive	Explosive, fire or projection hazard. Sensitive to mechanical impact.
Odor	Not available
Odor Threshold	Not available
Vapor Pressure	Not available
Vapor Density	Not available
pH	Not available
Relative Density	Not available
Melting Point	Not available
Freezing Point	Not available
Boiling Point	Not available
Solubility	Insoluble
Flash Point	Not available

Evaporation Rate	Not available
Flammability (solid, gas)	No
Octanol/Water Partition Coefficient	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available

## **10. STABILITY AND REACTIVITY**

### STABILITY

Stable under normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

Polymerization will not occur.

### INCOMPATIBLE MATERIALS

Acids, caustics and strong oxidizers

### DECOMPOSITION PRODUCTS

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

### CONDITIONS TO AVOID

Extreme heat, static/electrical discharge, mechanical shock/crushing of cartridge or box

## **11. TOXICOLOGICAL INFORMATION**

Potential inhalation, skin contact and ingestion. The physical nature of this product makes absorption unlikely. A small amount of inhalable particles may be created when firing.

<b>Component</b>	<b>LD50 (Oral)</b>	<b>LC50 (Inhalation)</b>	<b>IDLH</b>	<b>Irritation</b>	<b>Skin Contact</b>
Lead	No Data	No Data	100 mg/m <sup>3</sup>	Not Irritating	No Data
Copper	1,000 mg/m <sup>3</sup>	>2,000 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	Respiratory Irritant	375mg/kg, sc (rabbit)
Nickel	No Data	No Data	10 mg/m <sup>3</sup>	Skin Irritant	No Data
Zinc	7,950mg/kg (mouse)	2,500 mg/m <sup>3</sup> (mouse)	500 mg/m <sup>3</sup>	Eye Irritant	No Data
Nitrocellulose	>5g/kg	No Data	No Data	No Data	No Data
Nitroglycerin	1,607mg/kg (rabbit)	No Data	75 mg/m <sup>3</sup>	Mild eye/skin Irritant	>280 mg/kg (rabbit)
Lead Styphnate	No Data	No Data	No Data	No Data	No Data
Antimony	7g/kg (rat)	No Data	50 mg/m <sup>3</sup>	No Data	No Data

### OTHER ADVERSE EFFECTS

#### Target Organ Toxicity

No reported target organ toxicity from this product. Lead has caused nervous system, kidney and hematopoietic system damage in humans and laboratory animals.

#### Reproductive Toxicity

Repeated and prolonged exposure may cause reproductive effects.

#### Carcinogenicity

This product is not classified a carcinogen by IARC, OSHA, NTP or EPA. However, there are some components that are carcinogens according to these agencies including lead, and nickel.

## **12. ECOLOGICAL INFORMATION**

This product has no ecological information available. Individual components information is as follows.

**LEAD (7439-92-1)** Toxic in high concentrations.



LC50 Fish	0.44 mg/l (Exposure time: 96 hours, Species: Cyprinus carpio)
EC50 Daphnia	600 mg/l (Exposure time: 48 hours, Species: water flea)

**COPPER (7440-50-8)** Toxic in high concentrations.

LC50 Fish	≤0.0068 mg/l (Exposure time: 96 hours, Species: Pimephales promelas)
EC50 Daphnia	0.03 mg/l (Exposure time: 48 hours, Species: Daphnia magna)
EC50 Other Aquatic Organisms	0.043 – 0.054 mg/l (Exposure time: 72 hours, Species: Pseudokirchneriella subcapitata)

**NICKEL (7440-02-0)**

LC50 Fish	100 mg/l (Exposure time: 96 hours, Species: Brachydanio rerio)
EC50 Daphnia	100 mg/l (Exposure time: 48 hours, Species: Daphnia magna)
EC50 Other Aquatic Organisms	0.174 – 0.311 mg/l (Exposure time: 96 hours, Species: Pseudokirchneriella subcapitata)

**NITROGLYCERIN (55-63-0)**

LC50 Fish	0.87 – 3.25 mg/l (Exposure time: 96 hours, Species: Lepomis macrochirus)
EC50 Daphnia	45 - 55 mg/l (Exposure time: 48 hours, Species: Daphnia magna)

**13. DISPOSAL CONSIDERATIONS**WASTE DISPOSAL RECOMMENDATIONS

Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Avoid release into the environment.

**14. TRANSPORT INFORMATION**

Agency	UN Number	UN Proper Shipping Name	Transport Hazard Class	Packing Group Number	Environmental Hazards	EmS-No. (Fire)	EmS-No. (Spillage)
DOT, TDG, IMO, IATA/ICAO, ADR	UN0012	Cartridges, Small Arms	1.4S	II	No Data	No Data	No Data
IMDG	UN0012	Cartridges for Weapons, Inert Projectile	1.4S	No Data	No Data	F-B	S-X

**15. REGULATORY INFORMATION****US FEDERAL**

Toxic Substances Control Act (TSCA)	The components of this product are listed on the TSCA.
Superfund: Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)	Reportable Quantity: Lead 10lbs, Copper 5000lbs, Nickel 100lbs, Zinc 1,000lbs, Nitroglycerin 10lbs, Antimony 5,000lbs



SARA 313	Lead, Copper, Nickel, Antimony, Nitroglycerin, Aluminum and Zinc
SARA 311/312	Health: Acute – No, Chronic – Yes Fire: No Reactivity: None Release of Pressure: Yes
SARA 302 List	No components listed.

### STATE RIGHT-TO-KNOW

COMPONENT	CA	NJ	PA	MA	MI
Lead	X	X	X	X	X
Copper	Not Listed	X	X	X	X
Nickel	X	X	X	X	Not Listed
Zinc	Not Listed	X	Not Listed	X	X
Nitrocellulose	Not Listed	X	X	X	Not Listed
Nitroglycerin	Not Listed	X	X	X	Not Listed
Lead Styphnate	X	Not Listed	Not Listed	X	Not Listed
Antimony	Not Listed	X	X	X	X
Aluminum	X	X	Not Listed	X	X

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): **WARNING: This Product contains lead, lead styphnate, and nickel which are recognized by the State of California to cause cancer and/or birth defects.**

### CANADIAN REGULATIONS

WHMIS Classification Small Arms Ammunition – Centerfire Rifle	Class D Division 2 Subdivision A – Very toxic material causing other toxic effects Class D Division 2 Subdivision B – Toxic material causing other toxic effects Class F – Dangerously Reactive Material <b>NOTE: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.</b>
Canadian Ingredient Disclosure List	Lead, Nickel, Copper, Aluminum
Canadian DLS (Domestic Substances List) Inventory	Lead, Zinc, Nickel, Nitrocellulose, Copper, Nitroglycerin, Aluminum, Antimony

Component	IDL Concentration
Lead	0.1%
Copper	1%
Nickel	0.1%





Zinc	Not Listed
Nitrocellulose	0.1%
Nitroglycerin	0.1%
Lead Stypnate	0.1%
Antimony	1%
Aluminum	1%

### **EUROPEAN REGULATIONS**

<b>Component</b>	<b>EINECS</b>	<b>ELNICS</b>	<b>RISK/SAFETY PHRASES</b>
Lead	Yes	No	Not Listed
Copper	Yes	No	Not Listed
Nickel	Yes	No	Carcinogenicity Category 3, R40, R43 T, R48/23, T R:40-43-48/23 S2-36/37/39-45, S, 7
Zinc	Yes	No	Not Listed
Nitrocellulose	No	No	E, R3, S2-35, T, S2-35
Nitroglycerin	Yes	No	T, R26/27/28, E, R3, R33, N, R51-53, T, N, R3-26/27/28-33-51/53, S 1/2-33-35-36/37-45-61
Lead Stypnate	Yes	Yes	E, R3, Reproductive Category 1, R61, Reproductive Category 3, R62, XN, R20/22, R33, N, R50-53, T, N, R, 61-3-20/22-33-50/53-62, S, 53-45-60-61
Antimony	Yes	No	Not Listed
Aluminum	Yes	Yes	Not Listed

## **16. OTHER INFORMATION**

Disclaimer: The information contained in this Safety Data Sheet is provided to all individuals who are or will be exposed to this product through use, handling, storage or transport. To the best of Weatherby, Inc. 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.

Preparation Date: September 1, 2019

Revision Date: