SECTION 1: Identification

1.1. Identification
Product form: Article
Product name: Remington Magnum Rimfire Ammunition
Synonyms: 17 HMR and 22 WMR Premier® Magnum Rimfire and 22 WMR Magnum Rimfire

1.2. Recommended use and restrictions on use
Recommended use: Ammunition
Restrictions on use: Uses other than listed on the manufacturer product label

1.3. Supplier
Remington Arms Company, LLC
1816 Remington Circle SW
Huntsville, AL 35824
T 1-800-243-9700 - F 1-334-548-7801

1.4. Emergency telephone number
Emergency number: CHEMTREC 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS US classification
Explosive Category 1.4 H204 Fire or projection hazard
Carcinogenicty Category H350 May cause cancer

2.2. GHS Label elements, including precautionary statements
GHS US labeling
Hazard pictograms (GHS US):

Signal word (GHS US): Danger
Hazard statements (GHS US): H204 - Fire or projection hazard
H350 - May cause cancer
Precautionary statements (GHS US): P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 - Ground/Bond container and receiving equipment.
P250 - Do not subject to grinding/shock/friction.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
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 accordance with local regulations on explosives.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification
Other hazards not contributing to the classification: This product is considered an explosive article. Each product covered by this Safety Data Sheet is sealed ammunition. The ammunition contains hazardous substances, which under normal conditions of use are not in contact with the user. If the item is fractured or intentionally disassembled prior to actuation, exposure to the contents of this ammunition may cause the following health effects. Toxic if swallowed or in contact with skin and harmful if inhaled. It may
2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>(CAS-No.) 7439-92-1</td>
<td>25 – 60</td>
<td>Carc. 1B, H350 Repr. 1A, H360</td>
</tr>
<tr>
<td>Nitroglycerin</td>
<td>(CAS-No.) 55-63-0</td>
<td>1 – 7.5</td>
<td>Unst. Expl., H200 Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation: dust,mist), H330 STOT RE 2, H373 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Dibutyl phthalate</td>
<td>(CAS-No.) 84-74-2</td>
<td>0 – 2.5</td>
<td>Repr. 1B, H360 Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>lead 2,4,6-trinitro-m-phenylene dioxide, lead 2,4,6-trinitroresorcinoxide, lead styphnate (≥ 20 % phlegmatizer)</td>
<td>(CAS-No.) 15245-44-0</td>
<td>0 – 1</td>
<td>Expl. 1,1, H201 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Repr. 1A, H360 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Barium nitrate</td>
<td>(CAS-No.) 10022-31-8</td>
<td>0 – 1</td>
<td>Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures
First-aid measures general : IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)
Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
Chronic symptoms : May cause cancer.

4.3. Immediate medical attention and special treatment, if necessary
Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media
Unsuitable extinguishing media : Not determined.

5.2. Specific hazards arising from the chemical
Explosion hazard : Explosion risk in case of fire.

5.3. Special protective equipment and precautions for fire-fighters
Firefighting instructions : Evacuate area. Do not fight fire when fire reaches explosives. Fight fire with normal precautions from a reasonable distance.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Do not handle until all safety precautions have been read and understood.

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Mechanically recover the product. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Do not subject to grinding, shock, friction. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Ground/bond container and receiving equipment.

Storage conditions: Store in a well-ventilated place. Keep cool. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Remington Magnum Rimfire Ammunition
No additional information available

Lead (7439-92-1)

USA - ACGIH - Occupational Exposure Limits
ACGIH TWA (mg/m³) 0.05 mg/m³
ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans

USA - ACGIH - Biological Exposure Indices
Biological Exposure Indices (BEI) 200 µg/l Parameter: Lead - Medium: blood - Sampling time: not critical (Note: Persons applying this BEI are encouraged to counsel female workers of child-bearing age about the risk of delivering a child with a PbB (lead in blood level) over the current CDC reference value.)

USA - OSHA - Occupational Exposure Limits
OSHA PEL (TWA) (mg/m³) 50 µg/m³

Copper (7440-50-8)

USA - ACGIH - Occupational Exposure Limits
ACGIH TWA (mg/m³) 0.2 mg/m³ (fume)

USA - OSHA - Occupational Exposure Limits
OSHA PEL (TWA) (mg/m³) 0.1 mg/m³ (fume)
1 mg/m³ (dust and mist)
Remington Magnum Rimfire Ammunition
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Nitrocellulose (9004-70-0)
No additional information available

Nitroglycerin (55-63-0)

USA - ACGIH - Occupational Exposure Limits
ACGIH TWA (ppm) 0.05 ppm
ACGIH chemical category Skin - potential significant contribution to overall exposure by the cutaneous route

USA - OSHA - Occupational Exposure Limits
OSHA PEL (Ceiling) (mg/m³) 2 mg/m³
OSHA PEL (Ceiling) (ppm) 0.2 ppm
Limit value category (OSHA) prevent or reduce skin absorption

Zinc (7440-66-6)
No additional information available

Dibutyl phthalate (84-74-2)

USA - ACGIH - Occupational Exposure Limits
ACGIH TWA (mg/m³) 5 mg/m³

USA - OSHA - Occupational Exposure Limits
OSHA PEL (TWA) (mg/m³) 5 mg/m³

lead 2,4,6-trinitro-m-phenylene dioxide, lead 2,4,6-trinitroresorcinoxide, lead styphnate (≥ 20 % phlegmatizer) (15245-44-0)
No additional information available

Barium nitrate (10022-31-8)
No additional information available

Antimony sulfide (Sb2S3) (1345-04-6)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : Solids.
Color : Metallic
Odor : odorless
Odor threshold : No data available
pH : No data available
Melting point : No data available
Freezing point : Not applicable
Boiling point : No data available
Flash point : Not applicable
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Relative evaporation rate (butyl acetate=1): No data available
Flammability (solid, gas): Non flammable.
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Relative density: No data available
Solubility: No data available
Partition coefficient n-octanol/water (Log Pow): No data available
Auto-ignition temperature: Not applicable
Decomposition temperature: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosion limits: Not applicable
Explosive properties: No data available
Oxidizing properties: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport. Fire or projection hazard.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7). Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral): Not classified.
Acute toxicity (dermal): Not classified.
Acute toxicity (inhalation): Not classified.

Nitroglycerin (55-63-0)
LD50 oral rat 100 mg/kg
LD50 dermal rabbit > 280 mg/kg
ATE US (oral) 5 mg/kg body weight
ATE US (dermal) 5 mg/kg body weight
ATE US (dust, mist) 0.05 mg/l/4h

Dibutyl phthalate (84-74-2)
LD50 oral rat 7499 mg/kg
LD50 dermal rabbit > 20000 mg/kg
LC50 inhalation rat (mg/l) ≥ 15.68 mg/l/4h
ATE US (oral) 7499 mg/kg body weight

lead 2,4,6-trinitro-m-phenylene dioxide, lead 2,4,6-trinitrosorcinoxide, lead styphnate (≥ 20 % phlegmatizer) (15245-44-0)
ATE US (oral) 500 mg/kg body weight
ATE US (gases) 4500 ppmV/4h
ATE US (vapors) 11 mg/l/4h
## Lead (7439-92-1)

### Toxicity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
<td>2A - Probably carcinogenic to humans</td>
</tr>
<tr>
<td>National Toxicity Program (NTP) Status</td>
<td>Reasonably anticipated to be Human Carcinogen</td>
</tr>
<tr>
<td>In OSHA Hazard Communication Carcinogen list</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Carcinogenicity

- May cause cancer.

### Reproductive Toxicity

- Not classified.

### STOT - repeated exposure

- Not classified.

## Nitroglycerin (55-63-0)

### Toxicity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT - repeated exposure</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
</tbody>
</table>

### Aspiration hazard

- Not classified

### Viscosity, kinematic

- No data available

### Symptoms/effects

- Not expected to present a significant hazard under anticipated conditions of normal use.

### Chronic symptoms

- May cause cancer.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### Lead (7439-92-1)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.44 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>600 μg/l (Exposure time: 48 h - Species: water flea)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>1.17 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])</td>
</tr>
</tbody>
</table>

### Nitroglycerin (55-63-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.87 – 3.25 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>46 – 55 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>0.87 – 2.21 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
</tr>
<tr>
<td>EC50 Daphnia 2</td>
<td>38 – 55 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])</td>
</tr>
</tbody>
</table>
Dibutyl phthalate (84-74-2)

<table>
<thead>
<tr>
<th>Test</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>LC50 fish 2</th>
<th>EC50 Daphnia 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.71 – 1.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
<td>2.99 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])</td>
<td>0.31 – 5.45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</td>
<td>3.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Test</th>
<th>Dibutyl phthalate (84-74-2)</th>
<th>Partition coefficient n-octanol/water (Log Pow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.71 – 1.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
<td>5.38 (at 25 °C)</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description: UN0012 Cartridges, small arms, 1.4
UN-No.(DOT): UN0012
Proper Shipping Name (DOT): Cartridges, small arms
Class (DOT): 1.4 - Class 1.4 - Explosives (with no significant blast hazard) 49 CFR 173.50
DOT Packaging Non Bulk (49 CFR 173.xxx): 62
DOT Packaging Bulk (49 CFR 173.xxx): None
DOT Packaging Exceptions (49 CFR 173.xxx): 63
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 25 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 100 kg

DOT Vessel Stowage Location: 01 - The material may be stowed “on deck” or “under deck” on a cargo vessel (up to 12 passengers) and on a passenger vessel.
DOT Vessel Stowage Other: 25 - Protected from sources of heat
Other information: No supplementary information available.

Transport by sea

Transport document description (IMDG): UN 0012 CARTRIDGES, SMALL ARMS, 1.4S
UN-No. (IMDG): 0012
Proper Shipping Name (IMDG): CARTRIDGES, SMALL ARMS
Class (IMDG): 1 - Explosives
Limited quantities (IMDG): 5 kg
Air transport

Transport document description (IATA) : UN 0012 Cartridges, small arms, 1.4S
UN-No. (IATA) : 0012
Proper Shipping Name (IATA) : Cartridges, small arms
Class (IATA) : 1 - Explosive

SECTION 15: Regulatory information

15.1. US Federal regulations

Remington Magnum Rimfire Ammunition

<table>
<thead>
<tr>
<th>SARA Section 311/312 Hazard Classes</th>
<th>Physical hazard - Explosive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazard - Carcinogenicity</td>
<td></td>
</tr>
</tbody>
</table>

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Lead (7439-92-1)</th>
<th>25 – 60%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>25 – 50%</td>
</tr>
<tr>
<td>Nitroglycerin</td>
<td>1 – 7.5%</td>
</tr>
<tr>
<td>Zinc</td>
<td>5 – 15%</td>
</tr>
<tr>
<td>Dibutyl phthalate</td>
<td>0 – 2.5%</td>
</tr>
</tbody>
</table>

Lead (7439-92-1)
CERCLA RQ 10 lb no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm

Nitroglycerin (55-63-0)
CERCLA RQ 10 lb

Dibutyl phthalate (84-74-2)
Listed on EPA Hazardous Air Pollutant (HAPS)
CERCLA RQ 10 lb

15.2. International regulations

Lead (7439-92-1)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Nitroglycerin (55-63-0)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Dibutyl phthalate (84-74-2)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

lead 2,4,6-trinitro-m-phenylene dioxide, lead 2,4,6-trinitrosorcinoxide, lead styphnate (≥ 20 % phlegmatizer) (15245-44-0)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Barium nitrate (10022-31-8)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

WARNING: This product can expose you to Lead, which is 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.

SECTION 16: Other information

Revision date : 06/09/2020

EN (English US)
Remington Magnum Rimfire Ammunition
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-Phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H200</td>
<td>Unstable explosive</td>
</tr>
<tr>
<td>H201</td>
<td>Explosive; mass explosion hazard</td>
</tr>
<tr>
<td>H204</td>
<td>Fire or projection hazard</td>
</tr>
<tr>
<td>H272</td>
<td>May intensify fire; oxidizer</td>
</tr>
<tr>
<td>H300</td>
<td>Fatal if swallowed</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H310</td>
<td>Fatal in contact with skin</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H330</td>
<td>Fatal if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

SDS US (GHS HazCom 2012)

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