# Remington Arms

# Material Safety Data Sheet

This Material Safety Data Sheet has been prepared in compliance with Federal OSHA Hazard Communication Standard 29 CFR 1910.1200, ANSI Z400.1-1993 and the ISO Safety Data Sheet Standard. This product may be considered to be a hazardous chemical under 29 CFR 1910.1200. This information is required to be disclosed for safety in the workplace. *This MSDS is applicable only to the product identified herein and only when used properly.* 

NOTE: Refer to Section XVII for List of Acronyms.

# I. PRODUCT IDENTIFICATION

Product: COMPONENT SHOTSHELL PROJECTILES

**HMIS Rating** 

Health: 2
Flammability: 0
Reactivity: 0

IN EVENT OF EMERGENCY
(Spill, Leak, Fire, Exposure, Accident)
CALL CHEMTREC DAY OR NIGHT
(800) 424-9300
In Arlington, VA 741-5000
Outside Continental U.S.A. (703)741-5000

# II. HAZARDOUS COMPONENT INFORMATION

The hazardous chemicals contained in each type of Component Shotshell Projectiles are listed below, along with the percent by weight of the hazardous ingredients in the Component Shotshell Projectiles.

# 1. Projectile

Lead Slug	Lead, Antimony, Arsenic
Lead Shot	Lead, Copper, Antimony, Arsenic
Steel Shot	Iron. Zinc

Hazardous Ingredients	Percent by Weight	CAS Number	Exposure Limits (PEL)
Lead	94-98%	7439-92-1	TWA 0.05 mg/m <sup>3</sup>
	0% (Steel Shot)		
Antimony	0-6%	7440-36-0	TWA 0.5 mg/m <sup>3</sup>
Arsenic	0-1.5%	7440-38-2	TWA 0.5 mg/m <sup>3</sup>
Iron	98-99%	1309-37-1	TWA 10 mg/m <sup>3</sup>
	(Steel Shot)		_
Zinc	Less than 2%	7440-66-6	TWA (fume) 0.1 mg/m <sup>3</sup>
	(Steel Shot)		TWA (dust, mist) 1.0 mg/m <sup>3</sup>

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#### III. HAZARDS IDENTIFICATION

Emergency Overview: N/A

**Potential Human Health Effects:** 

Skin Contact: May cause allergic reaction (sensitization) in susceptible individuals.

Eye Contact: Dust and fumes can irritate the eyes causing redness and discharge.

Inhalation: Inhalation of dust or fumes may cause irritation to nose, throat, upper

respiratory tract and lungs. Irritation may lead to bronchitis, headache,

lowering of blood pressure and weakness.

Ingestion/Absorption: Ingestion may cause severe headache, nausea, vomiting, abdominal

pain, fatigue, diarrhea, trembling, ringing in ear and salivation.

Carcinogenicity Information: This product is not classified a carcinogen by IARC, OSHA, NTP or

EPA. Lead and Arsenic are classified a carcinogen by IARC.

IV. FIRST AID MEASURES

**Skin Contact:** Wash affected area thoroughly with soap and water. Remove contaminated

clothing. Wash clothing thoroughly prior to reuse. Discard any contaminated

leather items (i.e. shoes, etc.).

**Eye Contact:** If wearing contacts, immediately remove contact lenses. Hold eyelids apart and

flush eyes thoroughly with water for at least 15 minutes. Obtain medical

attention immediately.

**Inhalation:** Immediately remove to fresh air. Administer artificial respiration, if necessary.

If breathing is difficult, administer oxygen. Obtain medical attention

immediately.

**Ingestion/Absorption:** If conscious, drink large amounts of water. Induce vomiting. Immediately

contact a physician or Poison Control Center. *Never* induce vomiting or give

anything by mouth to an unconscious person.

V. FIRE HAZARDS

Flammable Properties: Non-flammable.

**Extinguishing Media:** Flood fire with water to fight fire. If no water is 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 face shield or SCBA to protect from

fumes.

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VI. ACCIDENTAL RELEASE MEASURES

Safeguards: N/A

**Spill Cleanup:** If disposal is necessary, refer to XIII. DISPOSAL CONSIDERATIONS.

**Accidental Release:** See above.

VII. HANDLING AND STORAGE

**Personnel Handling:** Always wash hands thoroughly after handling.

Storage: N/A

VIII. PERSONAL PROTECTION/EXPOSURE CONTROLS

**Engineering Controls:** Local exhaust ventilation is recommended if significant dusting occurs.

Otherwise, use general exhaust ventilation.

**Personal Protective Equipment:** Safety glasses recommended when handling or firing rounds.

Hearing protection recommended when firing rounds.

Use of a NIOSH/MSHA-approved respirator is recommended when

concentrations to fumes and/or dust exceed the PEL or TLV.

**Exposure Guidelines:** N/A

**Exposure Limits:** Exposure limits listed with each hazardous chemical.

IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DATA

Form: Solid **Evaporation Rate:** N/A Color: **Melting Point:** Variable N/A **Solubility in Water:** Odor: None N/A **Boiling Point:** N/A pH: N/A

Specific Gravity: N/A
Vapor Pressure: N/A
Vapor Density: N/A

X. STABILITY AND REACTIVITY

**Chemical Stability:** Will not react with water.

Other Hazards:

**Incompatibility:** N/A

Polymerization: Will not occur.

**Conditions to Avoid:** N/A

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# XI. TOXICOLOGICAL INFORMATION

Oral LD 50: No available data.

Dermal LD 50: No available data.

Inhalation LC 50: No available data.

Irritation: No available data.

Not a skin or eye irritant.

# XII. ECOLOGICAL INFORMATION

# **Aquatic Toxicity:**

Lead (LC 50) to Bluegill: 2-5 mg/l

# **Environmental Impact:**

When used and disposed of properly, there is no known environmental impact.

# XIII. DISPOSAL CONSIDERATIONS

This product is considered a characteristic hazardous waste per 40 CFR 261.24 *for disposal purposes only*. Dispose of as required by local, state and federal laws and regulations.

EPA Hazardous Waste Code: D008 (lead)

#### XIV. TRANSPORTATION INFORMATION

#### SHIPPING INFORMATION

**Proper Shipping Name:** Components for Small Arms

Hazard Class: N/A UN/NA No: N/A Packing Group: N/A

**Shipping Label:** None required.

**Special Information:** May be reclassified internationally as:

Hazard Class: N/A UN/NA No.: N/A Packing Group: N/A Shipping Label: N/A

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# XV. REGULATORY INFORMATION

#### U.S. FEDERAL REGULATIONS

TSCA Inventory Status: Included on list.

This product contains a toxic chemical or chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### XVI. OTHER INFORMATION

NFPA Rating: Not established.

#### HAZARD CLASSIFICATION

Chronic Health: Headache, nausea, weakness
Acute Health: Anemia, embryotoxin.
Fire Hazard: 0 (per HMIS Rating)

Pressure Hazard: None

**Reactivity Hazard:** 0 (per *HMIS Rating*)

#### **NPCA-HMIS Ratings:**

Health: 2 Flammability: 0 Reactivity: 0

#### **References:**

Code of Federal Regulations, Monthly Summary, CFR 1910.1200(g) and Appendix E (B.), Regulations Management Corporation, Bloomington, Indiana, July 1, 1994.

*Hazardous Chemical Desk Reference: Third Edition*, Richard J. Lewis, Sr., Van Nostrand Reinhold, Copyright 1993.

American National Standards Institute, Z400.1-1993.

International Standards Organization Safety Data Sheet Standard.

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#### XVII. LIST OF ACRONYMS

**ACGIH** American Conference of Governmental Industrial Hygienists

AIHA WEEL American Industrial Hygiene Association-Workplace Environmental Exposure Level

ANSI American National Standard Institute

BEI Biological Exposure Indexes
CAS Chemical Abstract Service
CFR Code of Federal Regulations

CL Ceiling Limit (must not be exceeded)

**DSL** Domestic Substances List

**EPA** Environmental Protection Agency

HMIS Hazardous Materials Identification System
 IARC International Agency for Research on Cancer
 IATA International Air Transport Association
 ICAO International Civil Aviation Organization
 ISO International Standards Organization

LC Lethal Concentration

**LD** Lethal Dose

MITI Ministry of International Trade and Industry (Japan)

MSHA Mine Safety and Health Appliance
NFPA National Fire Protection Association

NIOSH National Institute for Occupational Safety and Health

NTA National Transportation Agency (Canada)

**NTP** National Toxicology Program

**OSHA** Occupational Safety and Health Administration

**ORM** Other Regulated Materials

PEL Permissible Exposure Limit (OSHA) SCBA Self-contained Breathing Apparatus

STELShort-Term Exposure LimitTLVThreshold Limit Values (ACGIH)TSCAToxic Substances Control ActTWATime Weighted Average

UN/NA United Nations/North American (Identification number)
SARA Superfund Amendments and Reauthorization Act
RCRA Resource Conservation and Recovery Act

#### For additional information, please contact:

Remington Arms Company, Inc. P.O. Box 700 870 Remington Road Madison, NC 27025-0700

(800) 243-9700

The information contained in this *Material Safety Data Sheet* is provided to all individuals who are or will be exposed to this product through use, handling, storage or transport. Remington believes, yet makes no warranty, that all information contained in this document is current as of the date of publication.

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