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GHS Safety Data Sheets

The Mystery of Lyle and Louise Bullet Striations

This document contains GHS safety data sheets for the following kit items:

- **Federal Centerfire Pistol Ammunition**

Safety Data Sheet

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Section 1 - Chemical Product and Company Identification

Name: Centerfire Pistol Ammunition – Used Bullet

Common Synonyms: Bullet

Manufacturer:

Federal Cartridge Company

900 Ehlen Drive

Anoka, Minnesota 55303

763-323-2300

Chemtrec Phone: 800-424-9300

National Response Center (emergency use): 800-424-8802

Product Use: Laboratory Reagent

Section 2 - Hazard Identification

CARCINOGENICITY Category 1

DANGER: May cause cancer if lead enters the blood stream

Emergency Overview

Effects of overexposure:

Inhalation: Lead particulates may cause anemia, nervous system symptoms including irritability, headache, restlessness, fatigue, muscle weakness, muscle tremor, convulsions, loss of memory, visual and hearing disturbances, loss of coordination, gastrointestinal effects such as vomiting, colic, diarrhea or constipation, circulatory symptoms such as drop in blood pressure, reproductive effects including fertility problems, birth defects, miscarriages, and kidney damage.

Ingestion: Gastrointestinal irritation as well as anemia, nervous system symptoms including irritability, headache, restlessness, fatigue, muscle weakness, muscle tremor, convulsions, loss of memory, visual and hearing disturbances, loss of coordination, gastrointestinal effects such as vomiting, colic, diarrhea or constipation, circulatory symptoms such as drop in blood pressure, reproductive effects including fertility problems, birth defects, miscarriages, and kidney damage.

Eye Contact: No information found.

Skin Contact: Elemental/inorganic lead compounds are not significantly absorbed through the skin

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: Lead exposure can aggravate anemia, cardiovascular and respiratory diseases and conditions related to the gastrointestinal, reproductive, renal, and central nervous systems.

Section 3 - Composition / Information on Ingredients

Ingredient	CAS Number	% Composition
Lead core	7439-92-1	Trade secret
Copper jacket	7440-50-8	Trade secret
Zinc oxide	1314-13-2	Trade secret

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. Get medical attention.

Ingestion: Contact a physician.

Skin Contact: Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: Wash/flush thoroughly with water. Get medical attention if irritation develops.

Section 5 - Fire-Fighting Measures

Fire: Not considered to be a fire hazard.
Flash Point: No information found
Autoignition Temperature: No information found
Flammable limits in air % by volume: No information found
Explosion: Not considered to be an explosion hazard.
Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.
Special Information: Use protective clothing and equipment appropriate for the surrounding fire.

Section 6 - Accidental Release Measures

Contact manufacturer at 763-323-3706

Section 7 - Handling and Storage

Handling Procedures and Equipment: Avoid prolonged contact, do not handle with open sores.
Storage requirements: Store in a dry & cool place. Keep in a tightly closed container. Protect against physical damage.

Section 8 - Exposure Controls / Personal Protection

OSHA Permissible Exposure Limit: Lead: 0.05mg/m³
ACGIH Threshold Limit Value (TLV): Lead: 0.05mg/m³

Personal Respirators (NIOSH Approved): Select respiratory device based on concentrations of actual or potential airborne contaminants.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety glasses with side shields. Maintain eye wash fountain and quick-drench facilities in work area.

General: Wash after handling. Avoid contact and inhalation. Avoid prolonged or repeated exposure. Keep tightly closed. Store in a cool dry place.

Section 9 - Physical and Chemical Properties

Appearance: Copper-jacketed lead bullet
Odor: None
Odor Threshold: N/A
pH: No information found
Melting Point: No information found
Boiling Point: No information found
Flash Point: No information found.
Evaporation Rate (BuAc=1): No information found
Flammability: No information found
Flammability/explosive limits: No information found.
Vapor Pressure (mm Hg): No information found.
Vapor Density (Air=1): No information found
Relative Density: 3.1-8g/cc
Solubility: Not soluble
Partition Coefficient: No information found.
Auto-ignition Temperature: No information found.
Decomposition Temperature: No information found.
Viscosity: No information found

Section 10 - Stability and Reactivity

Reactivity: Nonreactive under normal conditions; see Incompatible Materials
Stability: Stable under ordinary conditions of use and storage.
Hazardous Reactions: No information found.
Conditions to Avoid: Incompatible materials, excess heat
Incompatible Materials: Oils, acids, alkaline, ammonia, other corrosives.
Hazardous Decomposition Products: Oxides of lead, lead fumes.

Hazardous Polymerization: Will not occur.

Section 11- Toxicological Information

LD50: No information found.
DERMAL: No information found
INHALATION: No information found.
IRRITATION: Possible eye irritant.
OSHA: No information found.
IARC: No information found.

Section 12 - Ecological Information

No information found.

Section 13 - Disposal Considerations

Contact manufacturer at 763-323-3706

Section 14 - Transport Information

No information found.

Section 15 - Regulatory Information

No information found.

Section 16 - Other Information

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WHMIS: SDS prepared according to hazard criteria of controlled products regulations (CPR) and SDS contains all information required by CPR and GHS.

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