

Chemical Drop Shop

Professional Mercury Product Information & Specifications

Company: Chemical Drop Shop
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This document provides professional reference information regarding Silver Mercury (Elemental Mercury, Hg) and the commonly referenced term "Red Mercury". Specifications should always be verified through laboratory testing, Certificates of Analysis (COA), and applicable regulatory requirements before any commercial use.

1. Silver Mercury (Elemental Mercury) Specifications

Chemical Name: Mercury

Symbol: Hg

CAS Number: 7439-97-6

Appearance: Bright silver liquid metal at room temperature

Purity (Typical Commercial Grade): Up to 99.99%+ depending on supplier and analysis

Molecular Weight: 200.59 g/mol

Density: Approximately 13.53 g/cm³ at 20°C

Boiling Point: 356.7°C

Melting Point: -38.83°C

Applications

Laboratory research, scientific instrumentation, calibration equipment, educational demonstrations, specialized industrial processes, and approved technical applications where permitted by law.

Safety Information

Mercury is a toxic substance and must be handled in accordance with local, national, and international regulations. Appropriate PPE, storage procedures, spill management protocols, and transportation requirements must be followed at all times.

2. Red Mercury Information

"Red Mercury" is a term that has appeared in various reports, rumors, and unverified commercial claims. There is no broadly accepted scientific evidence confirming the existence of a unique commercial substance known as red mercury with the extraordinary properties often advertised. Buyers should exercise caution and request independent laboratory verification for any material represented as red mercury.

Reference Characteristics Often Claimed by Sellers

- Red or reddish appearance
- High density material
- Specialized industrial or scientific applications
- Purity and composition claims that require independent laboratory verification

Quality Assurance Recommendations

- Request a Certificate of Analysis (COA)
- Verify laboratory test reports from accredited facilities
- Confirm regulatory compliance and legal status
- Review transportation and export requirements before purchase

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Professional Chemical Supply Information

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