

Section 1: Chemical Product

Product Name: Mercurous Acetate

Product Code: M04460

Section 1: Composition/ Information on Ingredients

Chemical Name: Mercurous Acetate

Synonyms: Mercury (I) Acetate

CAS Number: 631-60-7

MDL Number: MFCD00083002

EC Number: Not Available

Beilstein Reg. Number: Not Available

Molecular Formula: $\text{Hg}_2(\text{C}_2\text{H}_3\text{O}_2)_2$

Molecular Weight: 519.27

Section 3: Hazards Identification

Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.

Chronic Health Hazard: Highly toxic by inhalation, Highly toxic by ingestion, Highly toxic by skin absorption

HMIS Rating: H:4 F:0 R:0

NFPA Rating: H:4 F:0 R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

Section 4: First Aid Measures

Eye Contact: Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.

Skin Contact: Wash skin with soap and water. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention.

Inhalation: Move to a fresh air environment. Contact a physician if breathing becomes difficult.

Section 4: Fire Fighting Measures

Flash Point: Not Available

Explosion Limits: Lower: Not Available

Upper: Not Available

Auto Ignition Temperature: Not Available

Extinguishing Media: Carbon dioxide, dry chemical powder or foam, water spray.

Protective Equipment: Wear self-contained respirator and fully protective impervious suit.

Specific Hazards: Emits toxic fumes under fire conditions.

Section 5: Accidental Release Measures

Personal Protection: Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use.

Keep unprotected persons away.

Environmental Protection: Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

Section 6: Handling and Storage

Handling: Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.

Storage: Store in a tightly closed container in a dry, wellventilated place.

Storage Temperature: 15 - 30°C

Section 7: Exposure Controls/ Personal Protection

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Eyewash facility in vicinity.

Skin: Wear impervious gloves and protective clothing.

Respiratory: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure Limits: Country Source Type Value

USA ACGIH TWA 0.1 mg/m³

USA OSHA PEL 0.1 mg/m³

Section 9: Physical and Chemical Properties

Appearance: Powder

Odor: Not Available

Melting Point: 178-180 °C
Boiling Point: Not Available
Density: 3.27 g/cm³
Refractive Index, n₂₀
D: Not Available
Viscosity: Not Available
Solubility in Water: Not Available

Section 10: Stability and Reactivity

Stability: Stable under normal temperatures and pressures.
Incompatibility: Strong oxidizing agents.

Section 11: Toxicological Information

RTECS Number: Not Available
Target Organs: Kidney, Nerves

Section 12: Ecological Information

Not Available

Section 13: Disposable Considerations

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

Section 14: Transport Information

DOT Shipping Name: Mercury Acetate
DOT UN Number: UN1629
DOT Hazard Class: 6.1
DOT Packing Group: II
IATA Shipping Name: Mercury Acetate
IATA UN Number: UN1629
IATA Hazard Class: 6.1
IATA Packing Group: II

Section 15: Regulatory Information

United States:

Toxic Substance Control Act (TSCA): Not listed
Superfund Amendments and Reauthorization Act (SARA 302): Not listed
Superfund Amendments and Reauthorization Act (SARA 313): Not listed

International:

European Inventory of Existing Chemical Substances (EINECS): Not listed

Canada:

Canadian Domestic Substances List (DSL): Not listed
Canadian Non-Domestic Substances List (NDSL): Not listed

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