



SAFETY DATA SHEET

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SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Holmium (III) Acetylacetonate Hydrate
PRODUCT NUMBER: 1971
CAS NUMBER: 22498-66-4
SYNONYM: Ho(acac)₃, 2,4-Pentanedionate Holmium(III) derivative, Tris(2,4-pentanedionato)holmium (III) hydrate, Holmium(III) acetylacetonate hydrate

MANUFACTURER:

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: May be harmful if absorbed through skin. May cause skin irritation.

INHALATION: May be harmful if inhaled. May cause respiratory tract irritation.

INGESTION: May be harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Ho(CH₃COCHCOCH₃)₃ · XH₂O

Molecular Weight: 462.26

CHEMICAL NAME	CAS#	%
Holmium (III) Acetylacetonate Hydrate	22498-66-4	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Rinse immediately with plenty of water and under the eyelids, for at least 15 minutes. Get medical attention.

SKIN EXPOSURE: Wash off with plenty of water for at least 15 minutes. Get medical attention immediately.

INHALATION: If inhaled remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: Clean mouth with water and drink plenty of water. Get medical attention if symptoms occur.

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: Not applicable

EXPLOSION LIMITS: Not applicable

EXTINGUISHING MEDIUM: Use extinguishing media that are appropriate to surrounding environment. Water spray, carbon dioxide, dry chemical, or alcohol-resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus for firefighting if necessary.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

ENVIRONMENTAL PRECAUTIONS: Do not let product enter into drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in a suitable container for disposal. Avoid dust formation.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Avoid dust formation.

CONDITIONS FOR SAFE STORAGE: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.

SKIN PROTECTION: Handle with gloves. Wear appropriate suit to protect against chemicals.

VENTILATION: Handle in an efficient chemical fume hood.

RESPIRATOR: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Yellow to tan powder

MOLECULAR WEIGHT: 462.26

BOILING POINT: No data available

MELTING POINT: No data available

SPECIFIC GRAVITY: No data available

VAPOR PRESSURE: No data available

SOLUBILITY IN WATER: Insoluble

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: No data available

INCOMPATIBILITY: Excess heat.

DECOMPOSITION PRODUCTS: None known.

SECTION 11 TOXICOLOGICAL DATA

CARCINOGENIC EFFECTS: No component of this product is confirmed to be a human carcinogen.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

DEVELOPMENTAL TOXICITY: Not available.

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14 TRANSPORTATION DATA

Non-hazardous

SECTION 15 REGULATORY INFORMATION

TSCA: Not listed.

SARA 302 COMPONENTS: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 COMPONENTS: This material does not contain any chemical components that exceed the threshold reporting levels established by SARA Title III, Section 313.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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