

Ytterbium Chloride: sc-264495



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ytterbium Chloride
Product Number: sc-264495
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. HAZARDS IDENTIFICATION

Emergency Overview

Acute Health Hazard

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

Chronic Health Hazard

Irritant

HMIS Classification

Health Hazard: 2

Flammability: 0

Physical Hazards: 0

NFPA Classification

Health Hazard: 2

Fire: 0

Reactivity Hazards: 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Ytterbium Chloride Hexahydrate
Formula: Cl₃Yb
Molecular weight: 279.41
CAS #: 10361-91-8

4. FIRST AID MEASURES

If inhaled

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

In case of skin contact

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

In case of eye contact

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

If swallowed

Do not induce vomiting. Seek medical attention.

5. FIREFIGHTING MEASURES

Flash Point

Not available

Explosion Limits

Lower: Not available

Upper: Not available

Auto Ignition Temperature

Not available

Suitable extinguishing media

Carbon dioxide, dry chemical powder of foam, water spray.

Hazardous combustion products

Emits hazardous fumes under fire conditions.

Special protective equipment for firefighters

Wear self-contained respirator and fully protective impervious suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Keep unprotected persons away.

Environmental precautions

Keep spills out of sewers and bodies of water.

Methods and materials for containment and clean up

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.

7. HANDLING AND STORAGE

Precautions for safe 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.

Conditions for safe storage

Store in a tightly closed container in a dry, well-ventilated place. Store at room temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits

Not available

Personal protective equipment

Respiratory protection

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

Skin and body protection

Wear impervious gloves and protective clothing.

Eye protection

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid	Odor	No data available
Melting Point	No data available	Boiling Point	No data available
Refractive Index	No data available	Viscosity	No data available
Density	No data available	Water Solubility	No data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under normal storage conditions.

Incompatible Materials

Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Target Organs

Not available

Further Information

RTECS Number: ZG2100000

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IATA

Not dangerous goods

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): Listed (233-800-5)

Canadian Domestic Substances List (DSL): Not listed

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

11/28/2013