

4-Epianhydrochlortetracycline Hydrochloride: sc-210035



MATERIAL SAFETY DATA SHEET

The Power to Question

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 4-Epianhydrochlortetracycline Hydrochloride
Catalog number: sc-210035
Synonyms: [4R-(4 α ,4a β ,12a β)]-7-Chloro-4-(dimethylamino)-1,4,4a,5,12,12a-hexahydro-3,10,11,12a-tetrahydroxy-6-methyl-1,12-dioxo-2-naphthacenecarboxamide Monohydrochloride
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

Section 2 – Composition, Information on Ingredients

CAS#: 158018-53-2
Chemical Name: 4-Epianhydrochlortetracycline hydrochloride
EINECS#: unlisted
Hazard Symbols: None listed
Risk Phrases: None listed

Section 3 – Hazards Identification

EMERGENCY OVERVIEW

Caution! Light sensitive. Moisture sensitive. The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Target Organs: No data found.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: No information found.

Section 4 – First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Not applicable.

Section 5 – Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits: Lower: Not applicable.

Explosion Limits: Upper: Not applicable.

NFPA Rating:

| | |
|---------------|---|
| Health: | 1 |
| Flammability: | 0 |
| Instability: | 0 |

Section 6 – Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.

Section 7 – Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Store protected from light. Do not allow contact with water. Keep from contact with moist air and steam.

Storage: Store in a tightly closed container at room temperature. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture. Store protected from light.

Section 8 – Exposure Controls, Personal Protection

| CAS-No. | ACGIH | NIOSH | OSHA – Final PELs |
|---|-------------|-------------|-------------------|
| 4-Epianhydrochlortetracycline hydrochloride | | | |
| 158018–53–2 | none listed | none listed | none listed |

OSHA Vacated PELs: 4-Epianhydrochlortetracycline hydrochloride: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 – Physical and Chemical Properties

| | | | |
|---------------------------|--------------------|------------------|---------------|
| Physical State | Crystalline powder | Odor | None reported |
| pH | Not available | Vapor Pressure | Not available |
| Specific Gravity/Density | Not available. | Evaporation Rate | Not available |
| Decomposition Temperature | Not available | Boiling Point | Not available |
| Freezing/Melting Point | 222 deg C | Viscosity | Not available |
| Solubility in water | 1:700 m/v | Vapor Density | Not available |
| Molecular Formula | C22H21ClN2O7.HCl | Molecular Weight | 497.33 |

Section 10 – Stability and Reactivity

Chemical stability: Stable under normal temperatures and pressures. Moisture sensitive. Light sensitive.

Conditions to avoid: Light, dust generation, moisture, strong oxidants.

Incompatibilities with other materials: Strong oxidizing agents, moisture.

Hazardous decomposition products: Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen gas.

Hazardous polymerization: Has not been reported.

Section 11 – Toxicological Information

RTECS#: CAS# 158018–53–2: None listed

LD50/LC50: RTECS: Not available.

Carcinogenicity: 4-Epianhydrochlortetracycline hydrochloride – Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 – Ecological Information

Not available

Section 13 – Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 – Transport Information

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class: Not available

UN Number: Not available

Packing Group: Not available

Canada TDG

Shipping Name: Not available

Hazard Class: Not available

UN Number: Not available

Packing Group: Not available

Section 15 – Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Not available

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 158018–53–2: Not available

Canada

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 158018–53–2 is not listed on Canada's Ingredient Disclosure List.

US Federal TSCA

CAS# 158018–53–2 is not listed on the TSCA Inventory. It is for research and development use only.

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.

10/24/2011