

Safety Data Sheet
Calcipotriene**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION****Product identifiers**

Product name : CALCIPOTRIENE
Brand : USP
CAS-No. : 112965-21-6

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Synthesis of substances

Details of the supplier of the safety data sheet

Company: Heron (Shanghai) Pharmaceutical Science and Technology Co., Ltd.

Address: Room 413 Wolocity Building B, No.2419 Hunan Road, Pudong New Area District, Shanghai 201204

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SECTION 2: HAZARDS IDENTIFICATION**Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Acute toxicity, Oral (Category 1), H300

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS Label elements, including precautionary statements

| Pictogram | | Signal |
|----------------------------|---|--|
| word |  | Danger |
| Hazard statement(s) | | |
| H300 | | Fatal if swallowed. |
| Precautionary statement(s) | | |
| P264 | | Wash skin thoroughly after handling. |
| P270 | | Do not eat, drink or smoke when using this product. |
| P301 + P310 + P330 | | IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. |
| P405 | | Store locked up. |

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P501

Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS – none.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Molecular weight: 412.6 g/mol

CAS-No. : 112965-21-6

Hazardous components

| Component | Classification | Concentration |
|---------------|--------------------|---------------|
| Calcipotriene | Acute Tox. 2; H300 | 90-100% |

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES**Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media Suitable

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: No data available

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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For personal protection see section 8.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Storage class (TRGS 510): 6.1B: Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials.

Specific end use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values. Hazardous components without workplace control parameters

Exposure controls

Appropriate engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- a) Appearance Form: powder
 - b) Odour: No data available
 - c) Odour Threshold: No data available
 - d) Melting point/freezing point: 166 - 168 °C (331 - 334 °F)
 - e) Initial boiling point and boiling range: No data available
 - f) Flash point: No data available
 - g) Evaporation rate: No data available
 - h) Flammability (solid, gas): No data available
 - i) Upper/lower flammability or explosive limits: No data available
 - j) Vapour pressure: No data available
 - k) Vapour density: No data available
 - l) Relative density: No data available
 - m) Water solubility: No data available
 - n) Partition coefficient: n- octanol/water, No data available
 - o) Auto-ignition temperature: No data available
 - p) Decomposition temperature: No data available
 - q) Viscosity: No data available
 - r) Explosive properties: No data available
 - s) Oxidizing properties: No data available
 - t) Other safety information: No data available
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SECTION 10: STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products. Hazardous decomposition products formed under fire conditions: Carbon oxides

In the event of fire: see section 5

Other decomposition products: No data available

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SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects Acute toxicity: LD50 Oral - Rat - 20 mg/kg Remarks: (Lit.)

Respiratory or skin sensitisation

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation: No data available

Skin – Rabbit, Result: No skin irritation Remarks: (Lit.)

Serious eye damage/eye irritation

Eyes – Rabbit, Result: No eye irritation Remarks: (Lit.)

Germ cell mutagenicity: No data available

Ames test: Salmonella typhimurium Result: negative (Lit.)

mice - Bone marrow Result: negative

Carcinogenicity, list of regulated carcinogens.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's

Reproductive toxicity: No data available No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Persistence and degradability

Bioaccumulative potential

Mobility in soil

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

UN number: 2811; Class: 6.1; Packing group: I; Proper shipping name: Toxic solids, organic, n.o.s. (Calcipotriene); Reportable Quantity (RQ): Poison Inhalation Hazard: No

IMDG

UN number: 2811; Class: 6.1; Packing group: I; EMS-No: F-A, S-A; Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Calcipotriene)

IATA

UN number: 2811; Class: 6.1; Packing group: I; Proper shipping name: Toxic solid, organic, n.o.s. (Calcipotriene)

SECTION 15: REGULATORY INFORMATION

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 with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Calcipotriene

CAS-No. 112965-21-6

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This product does not contain any chemicals known to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox. Acute toxicity

H300: Fatal if swallowed.

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HMIS Rating, Health hazard: 4

Chronic Health Hazard, Flammability: 0

Physical Hazard: 0

NFPA Rating

Health hazard: 4

Fire Hazard: 0

Reactivity Hazard, Further information: 0

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