

1. Product and Company Identification

Product Code: 18196

Product Name: Equisetin

Company Name: Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108

Web site address: www.caymanchem.com

Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300
CHEMTREC Outside USA and Canada: +1 (703)527-3887

Information: Cayman Chemical Company +1 (734)971-3335

Intended Use: For research use only, not for human or veterinary use.

Synonyms: (3E,5S)-5-(hydroxymethyl)-3-[hydroxy[(1S,2R,4aS,6R,8aR)-1,2,4a,5,6,7,8,8a-octahydro-1,6-dimethyl-2-(1E)-1-propen-1-yl-1-naphthalenyl]methylene]-1-methyl-2,4-pyrrolidinedione;

2. Hazards Identification

Acute Toxicity: Oral, Category 4



GHS Signal Word: **Warning**

GHS Hazard Phrases: H302: Harmful if swallowed.

GHS Precaution Phrases: P264: Wash {hands} thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.

GHS Response Phrases: P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330: Rinse mouth.

GHS Storage and Disposal Phrases: P501: Dispose of contents/container to {...}.

Potential Health Effects (Acute and Chronic): To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

3. Composition/Information on Ingredients

| CAS # | Hazardous Components (Chemical Name) | Concentration | RTECS # |
|------------|--------------------------------------|---------------|-----------|
| 57749-43-6 | Equisetin | 100.0 % | KD7986000 |

4. First Aid Measures

Emergency and First Aid
Procedures:

- In Case of Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
- In Case of Skin Contact:** Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
- In Case of Eye Contact:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
- In Case of Ingestion:** Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

5. Fire Fighting Measures

- Flash Pt:** No data.
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- Suitable Extinguishing Media:** Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.
- Unsuitable Extinguishing Media:** A solid water stream may be inefficient.
- Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
- Flammable Properties and Hazards:** No data available.
- No data available.

6. Accidental Release Measures

- Protective Precautions,** Avoid raising and breathing dust, and provide adequate ventilation.
- Protective Equipment and** As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,
- Emergency Procedures:** and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
- Environmental Precautions:** Take steps to avoid release into the environment, if safe to do so.
- Steps To Be Taken In Case** Contain spill and collect, as appropriate.
- Material Is Released Or Spilled:** Transfer to a chemical waste container for disposal in accordance with local regulations.

7. Handling and Storage

- Precautions To Be Taken in** Avoid breathing dust/fume/gas/mist/vapours/spray.
- Handling:** Avoid prolonged or repeated exposure.
- Precautions To Be Taken in** Keep container tightly closed.
- Storing:** Store in accordance with information listed on the product insert.

8. Exposure Controls/Personal Protection

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|------------|-----------------------|----------|-----------|--------------|
| 57749-43-6 | Equisetin | No data. | No data. | No data. |

| | |
|---|---|
| Respiratory Equipment (Specify Type): | NIOSH approved respirator, as conditions warrant. |
| Eye Protection: | Safety glasses |
| Protective Gloves: | Compatible chemical-resistant gloves |
| Other Protective Clothing: | Lab coat |
| Engineering Controls (Ventilation etc.): | Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. |
| Work/Hygienic/Maintenance Practices: | Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling. |

9. Physical and Chemical Properties

| | |
|---|--|
| Physical States: | <input type="checkbox"/> Gas <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid |
| Appearance and Odor: | A light tan to tan solid |
| Melting Point: | No data. |
| Boiling Point: | No data. |
| Flash Pt: | No data. |
| Evaporation Rate: | No data. |
| Flammability (solid, gas): | No data available. |
| Explosive Limits: | LEL: No data. UEL: No data. |
| Vapor Pressure (vs. Air or mm Hg): | No data. |
| Vapor Density (vs. Air = 1): | No data. |
| Specific Gravity (Water = 1): | No data. |
| Solubility in Water: | No data. |
| Solubility Notes: | Soluble in: EtOH; Meoh; DMSO; DMF; |
| Percent Volatile: | No data. |
| Autoignition Pt: | No data. |
| Molecular Formula & Weight: | C ₂₂ H ₃₁ NO ₄ 373.5 |

10. Stability and Reactivity

| | |
|---|--|
| Stability: | Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/> |
| Conditions To Avoid: | direct sunlight |
| Incompatibility - Materials To Avoid: | strong oxidizing agents |
| Hazardous Decomposition or Byproducts: | carbon dioxide carbon monoxide nitrogen oxides |
| Polymerization: | Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/> |
| Stability Note(s): | Stable if stored in accordance with information listed on the product insert. |

11. Toxicological Information

Toxicological Information: The toxicological effects of this product have not been thoroughly studied.
Equisetin - Toxicity Data: Intraperitoneal LD50 (mouse): 63 mg/kg;

Chronic Toxicological Effects: Equisetin - Investigated as a natural product.
Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.
See actual entry in RTECS for complete information.
Equisetin RTECS Number: KD7986000

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|------------|--------------------------------------|------|------|-------|------|
| 57749-43-6 | Equisetin | n.a. | n.a. | n.a. | n.a. |

12. Ecological Information

General Ecological Information: Avoid release into the environment.
Runoff from fire control or dilution water may cause pollution.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.
UN Number:
Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|------------|--------------------------------------|--------------|-----------|--------------|
| 57749-43-6 | Equisetin | No | No | No |

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|------------|--------------------------------------|--|
| 57749-43-6 | Equisetin | CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No |

Regulatory Information Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008.



SAFETY DATA SHEET

Equisetin

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Revision: 04/26/2016

Supersedes Revision: 08/17/2015

16. Other Information

Revision Date: 04/26/2016

Additional Information About No data available.

This Product:

Company Policy or Disclaimer: DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.