



Material Safety Data Sheet

Rutaecarpine MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Rutaecarpine](#)
- 1.2. Description: Rutaecarpine is a COX-2 inhibitor manufactured through extraction from *evodia rutaecarpa*.
- 1.3. Chemical Formula: C₁₈H₁₃N₃O
- 1.4. Molecular weight: 287.32
- 1.5. CAS #: 84-26-4
- 1.6. EINECS #: Not Applicable
- 1.7. Manufactured by: Foodchem International Corporation, Shanghai China.
- 1.8. Supplied by: Foodchem International Corporation, Shanghai China.
- 1.9. Usage: In food as nutritional supplements

2. Composition

- 2.1. Rutaecarpine: >98%
- 2.2. Hazardous impurities: Heavy metals 10ppm, As(Arsenic) 0.5ppm

3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: white powder
- 3.3. Odor: Not available
- 3.4. pH: Not available
- 3.5. Melting point/range: 259.5 - 260 ° C
- 3.6. Boiling point: 550 ° C
- 3.7. Bulk density: 1.45 g/cm³ (20 C)
- 3.8. Solubility: 26 mg/L (25 C)

4. Stability/Reactivity

- 4.1. Chemical Stability: Stable under normal temperatures and pressures
- 4.2. Shelf Life: 24 months period
- 4.3. Hazardous decomposition: Carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...)
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: Strong oxidizing agents.

5. Handling/Storage

- 5.1. Storage: Store in a cool and dry place and Keep away from strong light and heat
- 5.2. Handling precaution: Keep container tightly closed.

6. Exposure Control

- 6.1. Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
- 6.2. Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles
- 6.4. Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
- 6.5. Other: Consult professionals if Rutaecarpine need to be handled under some special conditions.

7. Hazards Identification



- 7.1. Hazardous overview: Rutaecarpine is Harmful in contact with skin, Eye/face. Harmful if swallowed. Very toxic to aquatic organisms. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- 7.2. Contact with eyes: May cause eye irritation.
- 7.3. Contact with skin: Causes irritation. May be harmful if absorbed through the skin.
- 7.4. Ingestion: Toxic if swallowed.
- 7.5. Inhalation: May cause irritation to the respiratory tract and gastrointestinal
- 7.6. Other: Not Applicable

8. First Aid Measures

- 8.1. Contact with eyes: Flush immediately with plenty of water for 15 minutes and seek medical advice
- 8.2. Contact with skin: Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.
- 8.3. Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.
- 8.4. Inhalation: Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.

9. Fire and Explosion Data

- 9.1. General information: Non-flammable
- 9.2. Flash point: 286
- 9.3. Ignition control: Avoid ignition sources where Synephrine HCl might be generated.
- 9.4. Dust control: May emit toxic gases upon thermal decomposition.
- 9.5. Extinguishing Media: water spray, carbon dioxide, dry chemical powder or appropriate foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- 9.6. Spills/Leaks: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

10. Transport Information

- 10.1. 【Hazard Class】 :6.1

11. Ecological Information

- 11.1. Rutaecarpine is fully degradation biodegradable.

12. Other Information

- 12.1. This Safety Data Sheet of Rutaecarpine is based upon a limited review of Foodchem International Corporation files and standard Toxicological handbooks. 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. In no event shall Foodchem International Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Foodchem International Corporation has been advised of the possibility of such damages.

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