



Material Safety Data Sheet

Daidzein MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Daidzein](#)
- 1.2. Description: Daidzein is a type of isoflavone compounds manufactured through extraction from various plants and herbs.
- 1.3. Chemical Formula: C₁₅H₁₀O₄
- 1.4. Molecular weight: 254.23
- 1.5. CAS #: 486-66-8
- 1.6. EINECS #: 207-635-4
- 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. Daidzein: 100% pass 80 mesh
- 2.2. Hazardous impurities: Lead(Pb) 3.0mg/kg, Arsenic(As) 2.0mg/kg, Cadmium(Cd) 1.0mg/kg, Mercury(Hg) 0.1mg/kg, Total Plate Count 1000cfu/g, Yeast & Mold 100cfu/g

3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: White fine powder
- 3.3. Odor: Characteristic
- 3.4. pH: Not available
- 3.5. Melting point/range: 212 - 214 ° C
- 3.6. Boiling point: 513 ° C
- 3.7. Bulk density: Not available
- 3.8. Solubility: Insoluble

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).
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: Sterk oxyderend middel.

5. Handling/Storage

- 5.1. Storage: Store in a tightly closed container. Deep freeze (below -20 C).
- 5.2. Handling precaution: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

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 Daidzein need to be handled under some special conditions.



7. Hazards Identification

- 7.1. Hazardous overview: Daidzein is Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
- 7.2. Contact with eyes: May cause eye irritation.
- 7.3. Contact with skin: May cause skin irritation.
- 7.4. Ingestion: May irritate the tissues of the mouth, esophagus, and other tissues of the digestive system
- 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: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
- 8.3. Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
- 8.4. Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

9. Fire and Explosion Data

- 9.1. General information: May be combustible at high temperature.
- 9.2. Flash point: Not available
- 9.3. Ignition control: Avoid Daidzein ignition sources Evodiamine powder might be generated.
- 9.4. Dust control: Keep the handling area with adequate ventilation
- 9.5. Extinguishing Media: Water spray, dry chemical or carbon dioxide. Wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- 9.6. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, using the appropriate protective equipment. Avoid generating dusty conditions.

10. Transport Information

- 10.1. No special requirements and no restrictions on transportation by land, sea or air.

11. Ecological Information

- 11.1. Daidzein is fully degradation biodegradable.

12. Other Information

- 12.1. This Safety Data Sheet of Daidzein 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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