

# SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006

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## Material Safety Data Sheet

# Dipotassium Glycyrrhizate msds

### Section 1: Identification of the Substance/Preparation and of the Company/Undertaking

#### Identification of the substance or preparation

**Product Name** : Dipotassium glycyrrhizinate  
**INCI Name** : Dipotassium Glycyrrhizate  
**Synonym** : Dipotassium Glycyrrhizinate Hydrate;  
Glycyrrhizic Acid Dipotassium Salt  
**CAS#** : 68797-35-3  
**EINECS** : 272-296-1

#### Company/undertaking identification

##### **M.C.Biotec Inc.**

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### Section 2: Hazards Identification

#### **Classification of the GHS**

**PHYSICAL HAZARDS** Not classified  
**HEALTH HAZARDS** Not classified  
**ENVIRONMENTAL HAZARDS** Not classified

#### **GHS label elements**

**Pictograms or hazard symbols** None  
**Signal word** No signal word  
**Hazard statement** None  
**Precautionary statements** None

#### **HMIS Classification**

**Health hazard:** 1  
**Flammability:** 1  
**Reactivity:** 0  
**NFPA Rating**  
**Health:** 1  
**Flammability:** 1  
**Reactivity** 0

### Section 3: Composition and Information on Ingredients

Formula : C42H60K2O16

Molecular Weight : 899.12 g/mol

CAS-No.	EC-No.	Concentration (%)
Dipotassium glycyrrhizinate		
68797-35-3	272-296-1	100

### Section 4: First Aid Measures

<b>Eyes Contact</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
<b>Skin Contact</b>	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
<b>Ingestion</b>	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
<b>Additional Information</b>	Note to physician: Treat symptomatically.

### Section 5: Fire Fighting Measures

**Suitable extinguishing media**

Dry chemical, foam, water spray, carbon dioxide.

**Specific methods**

Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

**Special protective equipment for firefighters**

When extinguishing fire, be sure to wear personal protective equipment.

### Section 6: Accidental Release Measures

**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and allow to

evacuate through the sanitary system.

### Section 7: Handling and Storage

#### Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

#### Conditions for safe storage

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

Keep in a dry place.

### Section 8: Exposure Controls/Personal Protection

#### Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

#### Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

#### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

### Section 9: Physical and Chemical Properties

#### Appearance

**Form** : Crystal - Powder

**Color** : White to pale yellow

**Odor** : Not available

**pH value (1% solution)** : 3.5-6.0

**Boiling Point:** no data available

**Melting Point:** Not available

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Solubility in water:** Not available

### Section 10: Stability and Reactivity

**Stability:** Stable under recommended storage conditions.

**Instability Temperature:** Not available.

**Materials to avoid:** Strong oxidizing agents

**Incompatibility with various substances:** Not available.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Hazardous Decomposition:** Carbon monoxide, Carbon dioxide

**Polymerization:** No.

### Section 11: Toxicological Information

**Type of study results species**

Oral LD(50) > 2000mg/kg Rat

### Section 12: Ecological Information

**Ecological Toxicity:**

Not expected to be ecotoxic

**ENVIRONMENTAL FATE**

Readily and rapidly degradable: all individual organic substances contained in the product achieved values in tests for ready biodegradability of at least 60% BOD/COD or 70% DOC reduction (tolerance value for classification as "readily biodegradable")

### Section 13: Disposal Considerations

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

### Section 14: Transport Information

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**Section 15: Regulatory Information**

**EINECS:** This product is on the European Inventory of Existing commercial Chemical Substances.

**TSCA INVENTORY STATUS:**

This product is excluded pursuant to Section 3(2)(B)(vi) of the Toxic Substances Control Act.

**TSCA 12(b) COMPONENTS:**

None

**SARA 311/312 Hazard categories:** None

**SARA 313 TOXIC CHEMICALS:**

None

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES:**

None

**CERCLE HAZARDOUS SUBSTANCES:**

None

**CALIFORNIA PROPOSITION 65 COMPONENTS:**

None

**Section 16: Other Information**

**Other Special Considerations:** Not available.

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