

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

Eyes Contact	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.
Skin Contact	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.
Ingestion	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.
Additional Information	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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