

SAFETY DATA SHEET

Version 3.0 Revision Date 03.08.2016

**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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Email: mc@mcbiotec.com Website: www.mcbiotec.com**Section 2: Hazards Identification**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

Classification of the GHS

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

PHYSICAL HAZARDS Not
classified

HEALTH HAZARDS Not
classified

ENVIRONMENTAL HAZARDS Not
classified

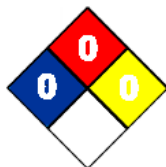
GHS label elements

Signal word Not classified

Hazard statement

Pictograms or hazard symbols Not classified

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|--|--|
| Precautionary Statements - Prevention | Wash hands thoroughly after handling |
| Precautionary Statements - Response | IF exposed or concerned: Get medical advice/attention |
| Hazards not otherwise classified (HNOC) | |
| Hazards not otherwise classified (HNOC) | Not applicable |
| Other Information | |
| Unknown acute toxicity | 100% of the mixture consists of ingredient(s) of unknown toxicity. |
| NFPA | |
| Health hazards | 0 |
| Flammability | 0 |
| Stability | 0 |
| Physical and chemical properties | - |
| HMIS | |
| Health hazards | 0 |
| Flammability | 0 |
| Physical hazards | 0 |
| Personal protection | - |



Section 3: Composition and Information on Ingredients

| | |
|------------------|---|
| Synonyms | : Glycyrrhizic Acid Dipotassium Salt Hydrate , Glycyrrhizin Dipotassium Salt Hydrate |
| Formula | : C42H60K2O16 |
| Molecular Weight | : 899.13 g/mol |
| CAS-No. | 68797-35-3 |
| EC-No. | 272-296-1 |

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

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None.

Specific hazards arising from the chemical

Specific hazards arising from the chemical No information available.

Hazardous combustion products Carbon oxides.

Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

Section 7: Handling and Storage
Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature.

Incompatible materials None known based on information supplied.

Section 8: Exposure Controls/Personal Protection
Control parameters

Exposure This product, as supplied, does not contain any hazardous materials with occupational exposure limits
Guidelines established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Showers
Controls Eyewash stations
 Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).
Skin and Body Wear protective gloves and protective clothing.
Protection
Respiratory If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory
protection protection should be worn. Positive-pressure supplied air respirators may be required for high airborne
 contaminant concentrations. Respiratory protection must be provided in accordance with current local
 regulations.
General Hygiene Handle in accordance with good industrial hygiene and safety practice.
Considerations

Section 9: Physical and Chemical Properties
Appearance

Form : Solid
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

CERCLA HAZARDOUS SUBSTANCES:

None

CALIFORNIA PROPOSITION 65 COMPONENTS:

None

Section 16: Other Information

Other Special Considerations: Not available.

Disclaimer

The information above is based on our present knowledge. However, no representation, warranty or guarantee of any kind,

express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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