



# MSDS

## Material Safety Data Sheet

**Product name:** Trisodium Glycyrrhizinate

### Module 1. Chemicals

Trisodium Glycyrrhizinate dates

Change number: 6

### Module 2. Risk overview

GHS classification

Physical hazards are not classified

Health hazards are not classified

Environmental hazards are not classified

GHS tag element

Icon or hazard mark none

Signal word no signal word

No danger description

Guard against

### Module 3. Composition/composition information

A single substance/mixture a single substance

Chemical name: Trisodium glycyrrhizate hydrate

Percentage: >65.0%(HPLC)

CAS code: 71277-78-6

It is also known as Glycyrrhizic Acid Trisodium Salt, and Glycyrrhizin Trisodium Salt Hydrate

Molecular formula:

$C_{42}H_{61}Na_3O_{17}$

### Module 4. First aid measures

Inhalation: move the victim to fresh air to keep breathing and rest. See a doctor if you feel unwell.

Skin contact: remove/remove all contaminated clothing immediately. Wash your skin/shower with water.

Seek medical advice for skin irritation or rash.

Eye contact: rinse carefully with water for a few minutes. Remove contact lenses if convenient and easy to operate. Keep cleaning.

If eye irritation occurs: seek medical attention.

Ingestion: seek medical advice if you feel unwell. Rinse your mouth.



First responder protection: rescuers need to wear personal protective equipment, such as rubber gloves and airtight goggles.

Module 5. Fire measures

Suitable extinguishing agent: dry powder, foam, mist water, carbon dioxide

Trisodium glycyrrhizate hydrate modification number: 6

#### **Module 5. Fire measures**

Specific methods: fire from the wind, according to the surrounding environment to choose the appropriate fire method. Dry Powder, foam, water mist, carbon dioxide.

Non-personnel should be evacuated to a safe place.

In case of fire around: if safe, remove removable containers.

Special protective equipment for firefighters: always wear personal protective equipment when putting out a fire.

#### **Module 6. Leakage emergency treatment**

Personal protective measures, protective equipment, use of personal protective equipment. Stay away from spills/leaks and be upwind.

Emergency measures: the leaking area should be ringed with safety belts, etc., to control the access of non-related personnel.

Environmental protection measures: prevent access to sewers.

Methods and materials for control and cleaning: dust collection and sealing in airtight containers. Be careful not to scatter. Fixtures or collections should be made immediately as appropriate

Disposal of laws and regulations.

#### **Module 7. Operation, disposal and storage**

To deal with

Technical measures: in a well-ventilated place for treatment. Wear appropriate protective equipment. Prevent dust diffusion. Wash hands thoroughly after treatment

And face.

Note: if dust or aerosols are produced, use local exhaust.

Precautions: avoid contact with skin, eyes and clothing.

storage

Storage condition: keep container closed. Store in a cool, dark place.

Store away from incompatible materials such as oxidants.

Packing material: according to law.

#### **Module 8. Contact control and personal protection**

Engineering control: install closed system or local exhaust system as far as possible. Operators should not contact directly. Install a shower and wash at the same time

The eye.

Personal protective equipment

Respiratory protection: dust mask. According to local and government regulations.



Hand protection: protective gloves.

Eye protection: safety goggles. Wear a mask if necessary.

Skin and body protection: protective clothing. Wear protective boots if necessary.

### **Module 9. Physical and chemical properties**

solid

Shape (20° C) :

Appearance: powder

Color: white -Yellow to light yellow

Odor: flavor very sweet

PH: 7.5-8.3

Melting point: no data available

Boiling point/range available

Flash point: no data available

Explosion characteristics

Lower limit of explosion: no data available

Explosion limit: no data available

Density: no data available

Solubility:

[water] no data available

No data available for other solvents

Trisodium glycyrrhizate hydrate modification number: 6

### **Module 10. Stability and reactivity**

Chemical stability: generally stable.

Likelihood of dangerous reactions: no special reactivity has been reported.

Avoid contact with the substance oxidant

Dangerous decomposition products: carbon monoxide, carbon dioxide

### **Module 11. Toxicological information**

Acute toxicity: scu-mus LD50:1546 mg/kg

Skin erosion or irritation: no data available

Serious damage or irritation to eyes: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC = no data available

NTP = no data available

Reproductive toxicity: no data available

### **Module 12. Ecological information**

Ecotoxicity:

Fish: no data available



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Crustaceans: no data available

Algae: no data available

Residue/degradation: no data available

Potential bioaccumulation (BCF): no data available

Mobility in soil

Log water distribution coefficient: no data available

Soil absorption coefficient (Koc) : no data available

Henry's law is not available

Constant (PaM3 / mol) :

### **Module 13. Disposal of waste**

Recycle if possible. Please consult your local administration. It is recommended to dissolve and mix in combustible solvents in chemical incinerators equipped with post-combustion and washing devices

Burned. Please comply with all national, regional and local regulations.

### **Module 14. Transportation information**

UN classification: inconsistent with UN classification criteria

UN number: not specified

### **Module 15. Regulatory information**

Regulations on the safety administration of hazardous chemicals (promulgated by the state council on January 26, 2002 and revised on February 16, 2011) :

Production, storage, transportation, loading and unloading and other aspects have made corresponding provisions.

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### **Module 16 - other information**

N/A