



SHAANXI FUJIE PHARMACEUTICAL CO., LTD

Tel: +86-29-63650906

Http://www.fujielicorice.com

Fax: +86-29-89610069

E-mail:zym1976@vip.163.com

MSDS

Material Safety Data Sheet

Product name:Glycyrrhizic acid A

Module 1. Chemicals

Glycyrrhizic acid A 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: dipotassium glycyrrhizate hydrate

Percentage: >95.0%(UV)

CAS code: 1405-86-3

Molecular formula:

$C_{42}H_{60}O_{16}$

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

Dipotassium 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.

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: crystal - powder

Color: white - light yellow

Odor: no data available

PH: no data available

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

Dipotassium 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: no data available

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

Crustaceans: no data available

Algae: no data available



SHAANXI FUJIE PHARMACEUTICAL CO., LTD

Tel: +86-29-63650906

Http://www.fujielicorice.com

Fax: +86-29-89610069

E-mail:zym1976@vip.163.com

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.

Dipotassium glycyrrhizate hydrate modification number: 6

Module 16 - other information

N/A



SHAANXI FUJIE PHARMACEUTICAL CO., LTD

Tel: +86-29-63650906

Http://www.fujielicorice.com

Fax: +86-29-89610069

E-mail:zym1976@vip.163.com

MSDS

Material Safety Data Sheet

1.PRODUCT NAME AND COMPANY IDENTIFICATION

Product name: Monoammonium Glycyrrhizinate

Product Use: Personal care formulations

CAS NO: 53956-04-0

Company name: Shaanxi Fujie Pharmaceutical Co., Ltd

Company address: Yuanqu Yi Road, Qinghe Food Industrial Park, Sanyuan County, Shaanxi Province, China

Date Issued: 01/17/2019

Emergency telephone number: 86-29-63650906

Appearance: White or yellowish-white, hygroscopic powder

2. COMPOSITION/INGREDIENT INFORMATION

Ammonium Glycyrrhizinate (PT) 98.0 per cent to 102.0 per cent (anhydrous substance)

Identification Complies

Infrared absorption spectrophotometry Complies

Specific optical rotation + 49.0 to + 54.0

Water $\leq 6.0\%$

Sulphated Ash $\leq 0.2\%$

Heavy metal $\leq 10\text{ppm}$

Related substance

18 α -glycyrrhizic acid $\leq 0.7\%$

Impurity A $\leq 5.0\%$

Any other impurity $\leq 2.0\%$

Sum of other impurity $\leq 7.0\%$

Hazardous components: none

3. HAZARDS IDENTIFICATION

Eyes: Mild irritation may occur

Skin: No known hazard

Inhalation: Mild irritation may occur if inhaled

Ingestion: Not expected to present a significant ingestion hazard under normal conditions of use

4. FIRST AID MEASURES

Eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists



SHAANXI FUJIE PHARMACEUTICAL CO., LTD

Tel: +86-29-63650906

Fax: +86-29-89610069

[Http://www.fujielicorice.com](http://www.fujielicorice.com)

E-mail: zym1976@vip.163.com