



SHAANXI FUJIE PHARMACEUTICAL CO., LTD
Tel: +86-29-63650906 Fax: +86-29-89610069
Http://www.fujiepharm.com E-mail: sales@fujiepharm.com

Material Safety Data Sheet

Product: Enoxolone

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name

Enoxolone

Synonyms

Arthrodont

18-beta-Glycyrrhetic acid

Glycyrrhetin

Olean-12-en-29-oic acid, 3-hydroxy-11-oxo-, (3b,20b)-

Subglycyrrhelinic acid

Uralenic acid

CAS

471-53-4

Formula

C₃₀H₄₆O₄

Molecular Weight

470.69

EINECS

207-444-6

RTECS

RK0180000

RTECS Class

Other

Merck

12,3628

Beilstein/Gmelin

2229654

Beilstein Reference

4-10-00-03775

2. COMPOSITION/INFORMATION ON INGREDIENTS

Assay

98.0-101.0% (dried substance)

3. HAZARDS IDENTIFICATION

Ingestion

May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation

May cause respiratory tract irritation. May be harmful if inhaled.



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Skin

May cause skin irritation. May be harmful if absorbed through the skin.

Eyes

May cause eye irritation.

4. FIRST AID MEASURES

Eyes

Washed by clear water if contacting with eyes.

Skin

Washed by soap water or clear water if it comes into contact with skin.

Swallowing

First aid is not normally required. If having excessive intake by mistake, seek medical attention.

Note to Physicians

No data

5. FIRE FIGHTING MEASURES

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. To extinguish fire use water spray, dry chemical, carbon dioxide, or chemical foam.

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Vacuum or sweep up material and place into a suitable disposal container

Large Spill

Shovel material into containers.

Thoroughly sweep area of spill to clean up any residual material.

7. HANDLING AND STORAGE

Storage

Store in a cool, dry place. Store in a tightly closed container. Refrigerator (approx 4 C).

Handling

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection

Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Poison Class

4

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

White or almost white crystalline powder

Solubility in water

Insoluble

Melting Point

327 - 330



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pKa/pKb

4.71 (pKa)

Usage

Expectorant and antitussive.

10. STABILITY AND REACTIVITY

Stability

Stable under normal temperatures and pressures.

Incompatibilities

Strong acids, strong bases, oxygen.

Decomposition

Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information

Dispose of with other normal, solid waste

14. TRANSPORT INFORMATION

Not Restricted

15. REGULATORY INFORMATION

No data

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

QA Signature: *Liu Yanju*

Date: *2013-01-15*