



SAFETY DATA SHEET according to EC 1907/2006

Neomycin sulphate

Version 2.0

Revision Date 01.08.2011

Print Date 20.08.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Name : Neomycin sulphate

Use : Active ingredient

Company

: Sichuan Long March Pharmaceutical Co.,Ltd

448 Changqing Road, Leshan

Sichuan 614000

People's Republic of China

Tel : +86 (0) 833 2492388

Fax : +86 (0) 833 2493682

Email : longmarch@leshan.cc

In case of emergency : +86 (0) 833 2492311

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

EC-Classification:  Xn, Xi

According to Regulation (EC)No 1272/2008

Acute toxicity, Inhalation (Category4)

Acute toxicity, Dermal (Category2)

Acute toxicity, Oral (Category3)

According to European Directive 67/548/EEC as amended.

Toxic: harmful through inhalation, in contact with skin/eyes and if swallowed.

GHS-Classification:

Pictogram:



Hazardous symbol(s):



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GHS07: Warning

Hazardous statements:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H319 May cause serious eye irritation.

H332 Harmful if inhaled.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapour/spray.

P264 Washing ... thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

P307+P311 If swallowed: Call a POISON CENTER or doctor/physician.

P314 If exposed: Get medical advice/attention if you feel unwell.

P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Additional information:

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

3. COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous components: Neomycin sulphate

Concentration [Weight percent] : 85(Neomycin B)

Cas-No.: 1405-10-3

EC-No. : 215-773-1

Synonyms: Fradiomycin sulphate

Molecular Formula: $C_{23}H_{48}N_6O_{17}S$

Molecular Weight: 712.72

EU Classification: Xn, Xi

GHS Classification: Warning



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For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FISRT AID MEASURES

General advice: Consult a physical. Show this safety data sheet to the doctor in attendance.

If inhaled: remove from exposure to fresh air immediately. If breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediately medical attention.

If swallowed: Washing out mouth with water. If victim is conscious alert. Call a physician.

In case of eye irritation: Rinse eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical attention.

In case of skin irritation: Immediately wash skin 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 and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spary, dry chemical powder, foam, CO₂.

Hazardous thermal decomposition and combustion products: Emits toxic fumes under fire condition.

Special fire fighting procedures: None.

Protection of fire-fighters: Fire-fighters must wear self contained breathing equipment and impervious clothing.

6. ACCIDENTAL RELESE MEASURES

Personal precautions: Avoid contact with skin and eyes. Do not swallow. Do not breathe dust. Eliminate any ignition sources. Contain the release and eliminate its resource. Evacuate the area off unnecessary personnel.

Environmental precautions: Do not allow the product to reach the groundwater, open water



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or the sewage system.

Methods for cleaning up: Remove spilled material dry. Avoid dust. Place into appropriate container for disposal. Provide ventilation and wash spill area.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes. Wear suitable protective clothing in case of insufficient ventilation, wear suitable respiratory equipment if you feel unwell. Keep away from ignition.

Storage: Keep container dry. Keep in a cool, well ventilation place. Keep container tightly closed.

Packaging materials: Glass or plastic container. Vulnerable packing materials need to be placed in a steady holder.

8. EXPOSE CONTROLS/PERSONAL PROTECTION

Engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limit. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Respiration protection: A self contained breathing apparatus should be used to avoid inhalation of the product.

Hand protection: Use heavy rubber gloves.

Eye protection: Use eye/face protection, safety glasses with side shields.

Skin and body protection: Wear suitable protective equipment.

Hygiene measures: Avoid contact with skin, eye and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid
Color:	White or yellowish-white
Odour:	Odourless



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Melting point:	250-260°C
Flammability:	Product is not flammable
Density:	No data available
Bulk density:	640kg/m ³ at 20°C
Vapour pressure:	Not applicable
Water solubility:	Very soluble in water, 500g/L in water at 20°C
pH-value(50g/l):	5.0-7.5 at 20°C
Partition coefficient:	No data available
Solubility in organic solvents:	Very soluble in water, very slightly soluble in alcohol, practically insoluble in acetone
Flash point:	Not applicable
ignition temperature:	No data available

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Extreme heat
Materials to avoid:	Oxidizing agents
Hazardous decomposition product:	Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides
Hazardous polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity:

LD₅₀ rat : 4325 mg/kg.

Acute dermal toxicity:

LD₅₀ rat : 200 mg/kg

Inhalation:

Material may be irritating to mucous membranes and upper respiratory tract. May be Harmful if inhaled.

Skin irritation:

Irritating to skin. May be harmful if absorbed through the skin.

Eye irritation:



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Irritating to eyes.

Genotoxicity in vitro:

No data available.

Genotoxicity in vivo:

No data available.

Pharmaceutic effects:

Antibiotics.

12. ECOLOGICAL INFORMATION

Persistence and degradability:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

13. DISPOSAL CONSIDERATIONS

Product:

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact the authorities in charge of approved waste disposal companies which will advise you on how to dispose of special waste.

Contaminated packaging:

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

Methods of disposal: - -



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R36/37/38, Irritating to eyes, respiratory system and skin.

Full text of H-phrases mentioned in chapters 2 and 3

H301 Harmful if swallowed.

H315 May cause skin irritation;

H319 May cause serious eye irritation.

H335 May cause respiratory irritation;

Full text of Pphrases mentioned in chapters 2 and 3

P261 Avoid breathing dust/fume/gas/mist/vapour/spary.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

P307+P311 If swallowed: Call a POISON CENTER or doctor/phycisian.

P314 If exposed: Get medical advice/attention if you feel unwell.

Further infomation

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the data of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.