



Specialized in chemicals

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Material Safety Data Sheet

Rifaximin

Section 1: Chemical Product and Company Identification

1.1 Product identifiers

Trade name: Rifaximin

Molecular formula: C₄₃H₅₁N₃O₁₁

CAS Nr: 80621-81-4

Molecular weight: 785.88

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : For laboratory tests and assays only, as described in the European Pharmacopoeia.

1.3 Details of the supplier of the safety data sheet

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1.4 Contact Information for Emergency: (0086) 551 65418678

Section 2: Composition and Information on Ingredients

Components :

This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Classification
Rifaximin		80621-81-4			R42/43

Section 3: Hazards Identification

Risk Phrases : May cause sensitization by inhalation and skin contact.

Adverse human health effects : Exposure may produce an allergic reaction. Gastrointestinal disorders.

Section 4: First Aid Measures

First aid measures

- **Inhalation :** Assure fresh air breathing. Rest. If you feel unwell, seek medical advice.
- **Skin contact :** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- **Eye contact :** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
- **Ingestion :** Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.

In case of reactions described in hazards identification or other severe, immediate or persisting symptoms seek medical advice and call the nearest poison centre. Show the label and this safety data sheet.

Section 5: Firefighting measures

Extinguishing media

- **Suitable extinguishing media :** Water spray. Carbon dioxide. Dry powder.
- **Unsuitable extinguishing media :** Do not use a heavy water stream.
- Surrounding fires :** Use water spray or fog for cooling exposed containers.
- Protection against fire :** Do not enter fire area without proper protective equipment, including respiratory protection.
- Hazardous combustion products :** Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

Section 6: Accidental Release Measures

- General precautions :** Remove ignition sources. Evacuate area.
- Personal precautions :** Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
- Clean up methods :** To clean the floor and all objects contaminated by this material, use : Detergent.
Avoid dust production. Ensure adequate ventilation.

Section 7: Handling and Storage

- Personal protection :** Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.
- Technical protective measures :** Material should be handled in a laboratory hood whenever possible.
- Handling :** Handle in accordance with good industrial hygiene and safety procedures.
- Storage :** RIFAXIMIN CRS is not intended for long-term storage. Keep container tightly closed in a cool, well ventilated place.
- Storage - away from :** All heat sources, including direct sunlight. Open flame. Sources of ignition.
Sparks.
Incompatible materials, see §10

Section 8: Exposure Controls/Personal Protection

Personal protection



- **Respiratory protection :** Wear approved mask. (P3)
In case of insufficient ventilation, wear suitable respiratory equipment.
- **Hand protection :** Wear suitable gloves resistant to chemical penetration.
- **Skin protection :** Wear suitable protective clothing.
- **Eye protection :** Chemical goggles or safety glasses.
- Industrial hygiene :** Provide local exhaust or general room ventilation.

Section 9: Physical and Chemical Properties

Chemical formula :	C43H51N3O11
Molecular weight :	786
Physical state at 20 °C :	Powder.
Colour :	Orange - red
pH value :	No data available.
Melting point [°C] :	No data available.
Boiling point [°C] :	No data available.
Solubility in water :	Insoluble.
Solubility :	Methanol. Acetone.
Flash point [°C] :	No data available.

Section 10: Stability and Reactivity Data

Stability and reactivity :	Stable under normal conditions.
Materials to avoid :	Strong oxidizers.
Conditions to avoid :	Moisture. Light. Heat. Sources of ignition.
Hazardous decomposition products :	Nitrogen oxides. Carbon monoxide. Carbon dioxide. Nitrogen oxides. When heated to decomposition, emits dangerous fumes.
Hazardous reactions :	None under normal conditions.
Hazardous polymerization :	Will not occur.

Section 11: Toxicological Information

RTECS nr	: KD1576000 (See actual entry in RTECS for complete information.)
Rat oral LD50 [mg/kg]	: >2000
Rabbit dermal LD50 [mg/kg]	: >2000
Rat inhalation LC50 [mg/L/4h]	: No data available.
Acute toxicity	: Gastrointestinal disorders.

Chronic toxicity	: No data available.
Sensitization	: May cause sensitization by inhalation and skin contact.

Section 12: Ecological Information

Ecological effects information

LC50-96 Hour - fish [mg/L]	: No data available.
EC50-48 Hour-Daphnia magna [mg/L]	: No data available.
IC50-72h-Algae [mg/L]	: No data available.
Persistence - degradability	: No data available.
Log P octanol / water at 20°C	: 4.161
Bioaccumulative potential	: No data available.

Section 13: Disposal Considerations

General :	Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.
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Section 14: Transport Information

General information : Not regulated.

Section 15: Other Regulatory Information

Symbol(s)	:Xn : Harmful
R Phrase(s)	: R42/43 : May cause sensitization by inhalation and skin contact.
S Phrase(s)	: S22 : Do not breathe dust. S24/25 : Avoid contact with skin and eyes. S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection. S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible). S61 : Avoid release to the environment. Refer to special instructions/Safety data

Section 16: Other Information

Further information

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, as amended.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.