

MATERIAL SAFETY DATA SHEET - NEOMYCIN 325

SECTION 1 - PRODUCT INFORMATION

Manufacturer: Rhone Merieux, Inc., 115 Transtech Drive, Athens, GA 30601
Emergency Telephone Number: 800-934-4447
Information Telephone Number: 706-548-9292, ext. 265
Date Prepared: 11/29/95
True Name: Neomycin Sulfate
Trade Name: Neomycin 325

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity, Common Name(s)): Neomycin (Base)
OSHA PEL: NA
ACGIH TLV: NA
% (Optional): 50%

Inert Ingredients & Other Active Ingredients at Levels <1% (0.1% for Carcinogens) and/or Determined to be Non-Hazardous as Defined by 29 CFR Part 1910, July 1989

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: NA
Vapor Pressure (mm Hg): NA
Vapor Density (Air=1): NA
Specific Gravity (H₂O=1): NA
Melting Point: NA
Evaporation Rate: NA
Solubility in Water: Complete
Appearance and Odor: Brown powder with an earthy odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NA
Flammable Limits: NA
LEL: NA
UEL: NA
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, foam.
Special Fire Fighting Procedures: As with all fires, evacuate personnel to safe area. Firefighter should use self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: This material is assumed to be combustible. As with all dry powders, it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity. When heated to decomposition, material emits toxic fumes. Emits toxic fumes under fire conditions.

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid:

Incompatibility (Materials to Avoid): Avoid contact with solutions of anionic substances such as sodium lauryl sulfate, sodium cephalothin, and sodium novobiocin.

Hazardous Decomposition or Byproducts: Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur oxides.

Hazardous Polymerization: Will not occur

Conditions to Avoid:

SECTION 6 - HEALTH HAZARD DATA

Route(s) of Entry: Eyes: May cause irritation. Inhalation: May be harmful. Skin: May be harmful. Ingestion: May be toxic.

Health Hazards (Acute and Chronic): Can be toxic upon ingestion.

Carcinogenicity: Unknown.

Signs and Symptoms of Exposure: Irritating to skin, nasal, respiratory tracts, and eyes. Can be toxic upon ingestion. Persons developing hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

Medical Conditions Generally Aggravated by Exposure: Not listed.

Emergency and First Aid Procedures: If ingested, wash out mouth with water. Call a physician. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of eye contact, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Persons developing serious hypersensitivity reactions must receive immediate medical attention.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Sweep up, place in a bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

WASTE DISPOSAL METHOD: Dispose by incineration or chemical waste landfill in accordance with local, state, or federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: May cause allergic skin reaction. Avoid prolonged or repeated exposure.

Wash thoroughly after handling. Keep tightly closed. Store in a cool, dry place.

OTHER PRECAUTIONS: Light and air sensitive.

SECTION 8 - CONTROL MEASURES

Respiratory Precaution (Specify Type): Wear NIOSH/MSHA - approved respirator for dust.

Ventilation: Local Exhaust: Should be provided; Mechanical (General): Yes

Special: ; Other: Use with adequate ventilation.

Protective Gloves: Chemical-resistant gloves

Eye Protection: Goggles

Other Protective Clothing or Equipment: Safety shower and eye bath.

Work/Hygienic Practices: Normal accepted practices, which minimize contact with eyes, mouth, nose, and skin.

OTHER STORAGE REQUIREMENT: Keep tightly closed. Store in cool, dry place. Light and air sensitive.

ANIMAL TOXICITY: Neomycin (Base) - oral-mouse LD50: 1250 mg/kg.

The information contained herein is considered to be correct as of the date of this data sheet but does not purport to be all inclusive and shall be used only as a guide. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Rhone Merieux, Inc. assumes no responsibility for damages caused by the use, storage or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage, or disposal of the product.