

## MATERIAL SAFETY DATA SHEET



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**SECTION 1. ----- CHEMICAL IDENTIFICATION-----**

CATALOG#: IB02050  
NAME: NEOMYCIN SULFATE SOLUTION  
CAS #: 119-04-0

**SECTION 2. ----- HAZARDS IDENTIFICATION -----**

LABEL PRECAUTIONARY STATEMENTS

SENSITIZER

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

TARGET ORGANS:

KIDNEYS

EARS

WEAR SUITABLE PROTECTIVE CLOTHING.

HMIS:      NFPA:

H: 2      H: 2

F: 1      F: 1

R: 0      R: 0

PE: E      SH: N/A

**SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----**

MF:  $C_{23}H_{46}N_6O_{13}$   
MW: 614.60  
EC NO: 204-292-2

**SECTION 4. ----- FIRST-AID MEASURES-----**

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

**SECTION 5. ----- FIRE FIGHTING MEASURES -----**

EXTINGUISHING MEDIA

WATER SPRAY.

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

**SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, BOOTS AND HEAVY GLOVES.  
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.  
AVOID RAISING VAPORS.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

**SECTION 7. ----- HANDLING AND STORAGE-----**

DO NOT BREATHE VAPORS.  
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.  
AVOID PROLONGED OR REPEATED EXPOSURE.  
WASH THOROUGHLY AFTER HANDLING.  
KEEP TIGHTLY CLOSED.  
STORE IN A COOL DRY PLACE.  
STORE AT +4°C.

**SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.  
USE ONLY IN A CHEMICAL FUME HOOD.  
SAFETY SHOWER AND EYE BATH.

**SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----**

APPEARANCE  
CLEAR, COLORLESS LIQUID

**SECTION 10. ----- STABILITY AND REACTIVITY -----**

INCOMPATIBILITIES  
STRONG OXIDIZING AGENTS  
MOISTURE  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE  
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

**SECTION 11. ----- TOXICOLOGICAL INFORMATION -----**

ACUTE EFFECTS  
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.  
CAUSES EYE AND SKIN IRRITATION.  
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.  
PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN CERTAIN SENSITIVE INDIVIDUALS.  
CHRONIC EFFECTS  
TARGET ORGANS:  
KIDNEYS  
EARS  
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.  
ADDITIONAL INFORMATION  
WARNING:THERE ARE REPORTS OF SERIOUS AND SOMETIMES FATAL HYPERSENSITIVITY (ANAPHYLACTIC) REACTIONS OCCURRING IN PEOPLE

RECEIVING PENCILLIN THERAPY BY THE PARENTERAL ROUTE ALTHOUGH IT HAS ALSO OCCURRED VIA ORAL ADMINISTRATION. THESE REACTIONS USUALLY OCCUR IN INDIVIDUALS WHO HAVE A HISTORY OF SENSITIVITY TO MULTIPLE ALLERGENS, ASTHMA, HAY FEVER OR URTICARIA. INGESTION HAS RESULTED IN NAUSEA, VOMITING, DIARRHEA, GLOSSITIS, STOMATITIS, ENTEROCOLITIS, PSEUDOMEMBRANOUS COLITIS. HYPERSENSITIVITY REACTIONS: ERYTHEMATOUS MACULOPAPULAR RASHES, ERYTHEMA MULTIFORME, URTICARIA AND EXFOLIATIVE DERMATITIS.

**SECTION 12. ----- ECOLOGICAL INFORMATION -----**

DATA NOT YET AVAILABLE.

**SECTION 13. ----- DISPOSAL CONSIDERATIONS -----**

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

**SECTION 14. ----- TRANSPORT INFORMATION -----**

NOT REGULATED

**SECTION 15. ----- REGULATORY INFORMATION -----**

EUROPEAN INFORMATION

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

R: 36/37/38

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

R: 42/43

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

S: 36/37/39

REVIEWS, STANDARDS, AND REGULATIONS

**SECTION 16. ----- OTHER INFORMATION-----**

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