

## 1. Identification of the substance/mixture and of the company/undertaking

### Identification of the substance/preparation

**Product code** 21810031  
**Product name** NEOMYCIN SULFATE, POWDER

### Company/Undertaking Identification

Life Technologies  
5791 Van Allen Way  
PO Box 6482  
Carlsbad, CA 92008  
+1 760 603 7200

GIBCO PRODUCTS  
INVITROGEN CORPORATION  
3175 STALEY ROAD P.O. BOX 68  
GRAND ISLAND, NY 14072  
716-774-6700

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18 - 24 BOTHA ROAD  
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AUSTRALIA  
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1 800 331 627

**24 hour Emergency Response:** 866-536-0631  
301-431-8585  
Outside of the U.S. +1-301-431-8585

**For research use only. Not intended for human or animal diagnostic or therapeutic uses.**

## 2. Hazards identification

### GHS - Classification

**Signal Word**  
**DANGER**



### Health Hazard

Respiratory Sensitization	Category 1
Skin Sensitization	Category 1

### Physical Hazards

not hazardous

### Hazard statements

H317 - May cause an allergic skin reaction

H335 - May cause respiratory irritation

### Precautionary statements

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

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

P285 - In case of inadequate ventilation wear respiratory protection

P363 - Wash contaminated clothing before reuse

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

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

### Principle Routes of Exposure/

#### Potential Health effects

<b>Eyes</b>	No information available.
<b>Skin</b>	Causes sensitization.
<b>Inhalation</b>	May cause sensitization by inhalation.
<b>Ingestion</b>	No information available.

#### Specific effects

<b>Carcinogenic effects</b>	none
<b>Mutagenic effects</b>	none
<b>Reproductive toxicity</b>	none
<b>Sensitization</b>	May cause sensitization by inhalation and skin contact.

**Target Organ Effects** None under normal use conditions

### HMIS

Health	2
Flammability	0
Reactivity	0

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### 3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
Neomycin sulfate	1405-10-3	-	60-100

We recommend handling all chemicals with caution.

### 4. First aid measures

<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
<b>Ingestion</b>	Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.
<b>Notes to physician</b>	Treat symptomatically.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

### 6. Accidental release measures

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.
<b>Methods for cleaning up</b>	Take up mechanically and collect in suitable container for disposal.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

See Section 12 for additional information.

### 7. Handling and storage

<b>Handling</b>	Always wear recommended Personal Protective Equipment. No special handling advice required.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

### 8. Exposure controls/personal protection

#### Exposure limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Neomycin sulfate	none	none	none	none

<b><u>Engineering measures</u></b>	Ensure adequate ventilation, especially in confined areas.
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## Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection** Impervious gloves.

**Eye protection** Safety glasses with side-shields.

**Skin and body protection.** Lightweight protective clothing.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Prevent product from entering drains. Do not allow material to contaminate ground water system.

## 9. Physical and chemical properties

### General Information

<b>Form</b>	solid	
<b>Appearance</b>	powder	
<b>Odor</b>	No information available	
<b>Boiling Point/Range</b>	°C no data available	°F no data available
<b>Melting point/range</b>	°C no data available	°F no data available
<b>Flash point</b>	°C no data available	°F no data available
<b>Autoignition temperature</b>	°C no data available	°F no data available
<b>Oxidizing properties</b>	No information available.	
<b>Water solubility</b>	soluble	

## 10. Stability and reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	No information available.
<b>Hazardous decomposition products</b>	No information available.
<b>polymerization</b>	None under normal processing.

## 11. Toxicological information

### Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Neomycin sulfate	> 8 g/kg (Mouse)	no data available	no data available

### Principle Routes of Exposure/ Potential Health effects

<b>Eyes</b>	No information available.
<b>Skin</b>	Causes sensitization.
<b>Inhalation</b>	May cause sensitization by inhalation.
<b>Ingestion</b>	No information available.
<b>Carcinogenic effects</b>	none

<b>Mutagenic effects</b>	none
<b>Reproductive toxicity</b>	none
<b>Sensitization</b>	May cause sensitization by inhalation and skin contact.
<b>Target Organ Effects</b>	None under normal use conditions

12. Ecological information

<b>Ecotoxicity effects</b>	No information available.
<b>Mobility</b>	Completely soluble
<b>Biodegradation</b>	No information available.
<b>Bioaccumulation</b>	No information available.

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

**IATA**

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard class</b>	none
<b>Subsidiary Class</b>	none
<b>Packing group</b>	none
<b>UN-No</b>	none

## 15. Regulatory information

Component	TSCA
Neomycin sulfate 1405-10-3 ( 60-100 )	Listed

### U.S. Federal Regulations

#### **SARA 313**

This product is not regulated by SARA.

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contains HAPs.

### U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Neomycin sulfate	-	-	-	-	-

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight %</u>	<u>Category</u>
Neomycin sulfate	1405-10-3	60-100	Developmental

#### **WHMIS Hazard Class**

D2A Very toxic materials



This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

## 16. Other information

**Reason for Revision** (M)SDS sections updated.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**End of Safety Data Sheet**

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