



Section 1. Product and Company Identification

Product Name	Neomycin Sulfate
Product ID	N1755
Chemical Name (Synonyms)	Neomycin B sulfate; Biosol; Endomixin; Myacine; Neosulf; Neobrettin; Soframycin; Tuttomycin
Supplier	LKT Laboratories, Inc 545 Phalen Blvd. St. Paul, MN 55130 USA Ph: 651-644-8424 Fax: 651-644-8357 www.lktlabs.com - getinfo@lktlabs.com
Emergency Phone #	1-800-424-9300

Section 2. Hazards Identification

GHS Classification	Skin sensitization (Category 1) H317 Respiratory sensitization (Category 1) H334
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GHS Label elements including precautionary statements**Pictogram****Signal word** **Danger****Hazard and precautionary statements****Hazard statements**

H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

P261 - Avoid breathing dust, fumes, gas, mist, vapors and spray.
P280 - Wear protective gloves.
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

HMIS Classification	Health hazard: 2 Chronic health hazard: * Flammability: 0 Physical hazards: 0
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NFPA Rating	Health hazard: 2 Fire: 0 Reactivity hazard: 0
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Potential Health Effects	Inhalation - May be harmful if inhaled. May cause respiratory tract irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin - May be harmful if absorbed through skin. May cause skin irritation. May cause an allergic skin reaction.
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Eyes - May cause eye irritation.
Ingestion - May be harmful if swallowed.

Section 3. Composition/Information on Ingredients

Substances

Formula $C_{23}H_{46}N_6O_{13} \cdot H_2SO_4$
CAS No. 1405-10-3

Formula Wt. 908.9
EC No. 215-773-1

Section 4. First Aid Measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact Flush eyes with water as a precaution.

Skin Contact Wash off with soap and plenty of water. Consult a physician.

Inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Firefighting Measures

Flash Point Not flammable or combustible.

Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide, or polymer foam.

Firefighting Procedures Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire Hazards Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides (NOx), sulphur oxides.

Section 6. Accidental Release Measures

Personal Precautions Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions Do not let product enter drains.

Methods and materials for containment and cleanup Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

Hazardous Decomposition Products Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides (NOx), sulfur oxides.

Other Remarks None

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS

Contains no substances with occupational exposure limit values.

PERSONAL PROTECTION

Respiratory protection - For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection - Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection - Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and body protection - Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures - Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9. Physical and Chemical Properties

Physical State	Solid	Color	Off-white
Boiling Point	Not available	Volatility	Not available
Melting Point	Not available	Density	Not available
Solubility	Soluble in water. Slightly soluble in ethanol, isoamyl alcohol, isopropanol, and benzene. Practically insoluble in acetone, ether and chloroform.	pH	Not available
Flash Point	Not flammable or combustible.	Ignition temperature	Not available
Lower explosion limit	Not available	Autoignition temperature	Not available
Upper explosion limit	Not available	Vapor pressure	Not available
Water solubility	Soluble in water (1 g/mL).	Odor	Not available
Partition coefficient: n-octanol/water	Not available	Odor Threshold	Not available
Relative vapor density	Not available	Evaporation rate	Not available

Section 10. Stability and Reactivity

Stability	Stable under recommended storage conditions.
Materials To Avoid	Keep away from heat and strong oxidizing agents.
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions. Carbon oxides, nitrogen oxides (NOx), sulfur oxides.

Possibility of hazardous reactions Not available

Conditions to avoid Not available

Section 11. Toxicological Information

Oral LD50 Oral - mouse - 8,000 mg/kg

Skin corrosion/irritation Not available

Inhalation LC50 Inhalation - Not available

Serious eye damage/irritation Not available

Dermal LD50 Dermal - Not available

Respiratory or skin sensitization Not available

Other information on acute toxicity LD50 - subcutaneous-rat-200 mg/kg, LD50 - intracerebral-mouse-32 mg/kg, LD50 - intramuscular-mouse-142 mg/kg, LD50 - intraperitoneal-mouse-305 mg/kg, LD50 - intravenous-mouse-174 mg/kg, LD50 - subcutaneous-mouse-190 mg/kg, LD50 - intramuscular-guinea pig-250 mg/kg

Germ cell mutagenicity Not available

Reproductive Toxicity Not available

Aspiration Hazard Not available

Specific organ toxicity single exposure (GHS) Not available

Synergistic effects Not available

Specific organ toxicity repeated exposure (GHS) Not available

Additional Information RTECS: Not available

Teratogenicity Not available

Signs and symptoms of exposure Aminoglycosides are associated with significant nephrotoxicity and/or ototoxicity.

Potential Health Effects Inhalation - May be harmful if inhaled. May cause respiratory tract irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin - May be harmful if absorbed through skin. May cause skin irritation. May cause an allergic skin reaction.
Eyes - May cause eye irritation.
Ingestion - May be harmful if swallowed.

Carcinogenicity **IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12. Ecological Information

Toxicity Not available

Mobility in soil Not available

PBT and vPvB assessment Not available

Persistence and degradability Not available

Other adverse effects Not available

Bioaccumulative potential Not available

Section 13. Disposal Considerations

Waste Disposal

Product - Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging - Dispose of as unused product.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Components Acute health hazard

Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components Neomycin Sulfate CAS #: 1405-10-3 Revision Date: 2009-07-17

New Jersey Right To Know Components Neomycin Sulfate CAS #: 1405-10-3 Revision Date: 2009-07-17

California Prop 65 Components WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Neomycin trisulfate salt hydrate CAS #: 1405-10-3 Revision Date: 2009-09-28

Section 16. Other Information

Other information The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

Updated 6/11/2020

For emergencies in the USA, call
CHEMTREC 800-424-9300