

## Safety Data Sheet


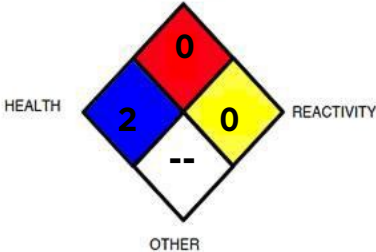
### Section 1: Product & Company Identification

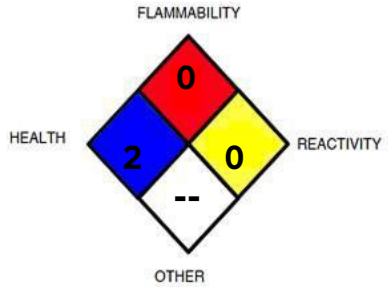
<b>Product Name:</b>	Neomycin Sulfate, USP Grade
<b>Product #:</b>	N-1053
<b>Synonyms:</b>	Framycetin sulphate; Neomycin sulphate, Bykomycin, Fradiomycin sulfate
<b>Supplier:</b>	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
<b>Emergency Tele#:</b>	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

### Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
Neomycin sulfate	1405-10-3	215-773-1	100

### Section 3: Hazards Identification

<b>Symbols</b>	
<b>HMIS Classification</b>	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

<b>NFPA Classification</b>	
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## Section 4: First Aid Measures

<b>General Overview:</b>	Consult a doctor/physician if exposed - additional medical care may be required. Show this safety data sheet to the medical provider.
<b>Inhalation:</b>	If inhaled, move to fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin:</b>	Wash skin thoroughly with soap and water. Remove any contaminated clothing. Consult a physician.
<b>Eyes:</b>	Flush eye with water. After initial flush, remove any contact lenses and continue flushing for at least 15 minutes.
<b>Ingestion:</b>	Rinse mouth with water. Immediately call a doctor, physician, or poison control center. Never give anything by mouth to an unconscious person.
	See section 11 for more detailed information on health effects & symptoms

## SECTION 5: Fire Fighting Measures

<b>Flammability of the product:</b>	No data available
<b>Extinguishing Media:</b>	Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
<b>Hazardous thermal (de)composition products:</b>	Carbon and nitrogen oxides, sulfur oxides
<b>Special Fire Fighting Procedures:</b>	Wear self-contained breathing apparatus if necessary.
<b>Flash Point:</b>	No data available

## Section 6: Accidental Release Measures


<b>Personal Precautions:</b>	Use personal protective equipment. Avoid breathing dust, vapors, mist, or gas. Avoid direct contact with spilled substances. Ensure adequate ventilation. Avoid dust formation. In the event of a spill, evacuate personnel to safe areas.
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.



<b>Methods for Clean-up:</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel.
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## SECTION 7: Handling & Storage

<b>Storage:</b>	Keep container tightly closed in a dry and well-ventilated place. Protect from humidity. Store at room temperature (20°C).
<b>Handling:</b>	Avoid exposure: obtain special instructions before use. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

## SECTION 8: Exposure controls / Personal Protection

<b>Respiratory Protection:</b>	 <p>Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p>
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<b>Skin and Body:</b>	  <p>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques 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.</p> <p>Wear protective clothing. The type of protective equipment must be selected according to the concentration of the dangerous substance at the specific workplace.</p>
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<b>Eyes:</b>	 <p>Use a 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).</p>
<b>Ventilation/Engineering Measures:</b>	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
<b>Hygiene:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Other:</b>	Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: Physical and Chemical Properties

<b>Appearance &amp; Odor:</b>	White to yellowish powder
<b>Formula</b>	$C_{23}H_{46}N_6O_{13} \cdot 3H_2SO_4$
<b>Molecular Wt.</b>	908.9
<b>Melting Pt.</b>	No data available
<b>Boiling Pt.</b>	No data available
<b>Density:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Solubility:</b>	Water (50 mg/mL), Ethanol (0.10 mg/mL), Methanol (0.23 mg/mL)
<b>Flash Point:</b>	No data available
<b>Autoignition Temp:</b>	No data available

## SECTION 10: Stability and Reactivity

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous decomposition products:</b>	Hazardous Combustion Products: Carbon and nitrogen oxides, sulfur oxides
<b>Materials to Avoid:</b>	Strong oxidizing agents.
<b>Conditions to avoid:</b>	Exposure to light.

## SECTION 11: Toxicological Information

<b>RTECS#:</b>	QP4375000
<b>ACUTE Toxicity:</b>	Oral LD <sub>50</sub> : Mouse: > 8 g/kg Intraperitoneal LD <sub>50</sub> : Mouse: 305 mg/kg Intravenous LD <sub>50</sub> : Mouse: 17.4 mg/kg Subcutaneous LD <sub>50</sub> : Mouse: 190 mg/kg
<b>CHRONIC Toxicity:</b>	N/A
<b>Chronic Exposure:</b> <b>Carcinogen:</b> <b>Mutagen:</b> <b>Teratogen:</b> <b>Reproductive:</b>	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. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or, anticipated human carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or, potential human carcinogen by OSHA. EPA: No classification on carcinogenic data is available from EPA

## SECTION 12: Ecological Information

<b>Ecotoxicity:</b>	No data available
<b>Mobility:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential:</b>	No data available
<b>Other adverse effects:</b>	Harmful to aquatic life with long lasting effects.
<b>Corrosivity Characteristic:</b>	Human - Administration onto the skin - 6 mg/3D (Intermittent) Standard Draize test - Mild reaction
<b>General Notes:</b>	In the absence of complete ecological information, treat product as environmentally hazardous. Use proper storage, handling, and disposal to prevent unintentional release into the environment.

## SECTION 13: Disposal Considerations

<b>Residue Waste or Unused product:</b>	Offer surplus and non-recyclable products 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. Avoid disposal of material in drains or sewers.
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<b>Contaminated Packaging:</b>	Dispose of as unused product.
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## SECTION 14: Transportation Information

<b>UN ID#:</b>	N/A
<b>ADR / RID (LAND):</b>	Not shipping hazard
<b>DOT regulations:</b>	Not shipping hazard
<b>IMDG/IMO (SEA):</b>	Not shipping hazard
<b>IATA/DGR (AIR):</b>	Not shipping hazard
<b>Special Provisions:</b>	N/A

## SECTION 15: Regulatory Information

<b>Health Phrases:</b>	H317 May cause an allergic skin reaction H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H361 Suspected of damaging fertility or the unborn child H412 Harmful to aquatic life with long lasting effects
<b>Risk Phrases:</b>	N/A
<b>Safety Phrases:</b>	P261 Avoid breathing dust/fumes/gas/mist/vapors/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water/soap P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention. P321 Specific treatment, see applicable response statements on this label P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container in accordance with governmental regulation P284 In case of inadequate ventilation wear respiratory protection P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342+P311 If experiencing respiratory symptoms: call a POISON CENTER or doctor/physician. P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. P273 Avoid release to the environment.
<b>EU Regulations:</b>	N/A
<b>US Regulations:</b>	TSCA: No products were found California Proposition 65: WARNING! This product contains a chemical known to the State of California to cause birth defects or developmental harm.

<b>U.S. Federal Regulations:</b>	<p>SARA 302/304/311/312 extremely hazardous substances: No products were found</p> <p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 302/304/311/312 hazardous chemicals: No products were found.</p> <p>SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Acute Health Hazard, Chronic Health Hazard</p> <p>SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found.</p> <p>Clean Water Act (CWA) 311: No products were found.</p> <p>Clean Air Act (CAA) 112 accidental release prevention: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated flammable substances: No products were found.</p> <p>Clean Air Act (CAA) 112 regulated toxic substances: No products were found.</p> <p>OSHA: No Products were found.</p>
<b>WHMIS (Canada):</b>	N/A

## SECTION 16: Other Information

**LIABILITY STATEMENT:** *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*