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**SECTION 1: IDENTIFICATION**

**Effective Date:** 1/97  
**Product Name:** G418 SULFATE  
**CAS No.:** 108321-42-2

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**SECTION 2: HAZARDOUS INGREDIENTS:**

Geneticin

Acute effects: Harmful if swallowed, inhaled, or absorbed through skin. May cause irritation, reddening, and allergic reactions of eyes and skin. May cause nasal, lung, and gastrointestinal irritation. May be absorbed in the respiratory or gastrointestinal tract in toxic quantities. Possible cause of allergic effects in respiratory or gastrointestinal tract. May cause digestive disorders. May cause harmful changes in gastrointestinal microorganisms. Repeated or prolonged exposure may cause loss or change in hearing, nervous system disorders, mental disorientation, convulsions or seizures, and kidney damage. Renal insufficiency may be aggravated by repeated exposure. Caution should be taken by those individuals with allergies and hypersensitivity to antibiotics. Aminoglycosides may be associated with significant nephrotoxicity and ototoxicity.

Chronic effects: Possible teratogen in laboratory animals

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**SECTION 3: PHYSICAL DATA**

Appearance and Odor:	white to off-white, odorless powder
Boiling point:(760 mmHg)	n/a
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	1
Solubility in water:(by weight)	soluble
Melting Point:	n/a
Vapor Density:	n/a

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**SECTION 4: FIRE AND EXPLOSION DATA**

Flash point:	Will decompose before reaching flashpoint. Expected to be > 140°C
Flammable limit:	Combustible. Quantities sold are believed to be too small to be a combustible hazard
Extinguishing Media:	Use any suitable media for extinguishing materials supporting the fire. Water, carbon dioxide.
Fire Fighting Procedures:	Wear self-contained breathing apparatus and protective clothing. Prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards:	none

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**SECTION 5: REACTIVITY DATA**

Stable   X                        Unstable           

<b>Conditions to Avoid:</b>	heat
<b>Incompatibilities:</b>	n/a
<b>Hazardous Decomposition or byproducts:</b>	Toxic fumes of CO, CO <sub>2</sub> , Nitrogen oxides, ammonia, and sulfur oxides
<b>Hazardous Polymerization:</b>	will not occur

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**SECTION 6: HEALTH HAZARD DATA**

<b>NTP:</b>	n/a
<b>IARC Monographs:</b>	n/a

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**SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**

<b>Spillage:</b>	Wear self contained breathing apparatus, rubber boots, and heavy rubber gloves. Protect eyes and skin. Sweep up and place in suitable container for reclamation or disposal. Avoid raising dust. Ventilate area and wash spill site after pickup is complete
<b>Disposal:</b>	Observe all federal, state and local regulations.

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**SECTION 8: FIRST AID PROCEDURES**

**Eyes:** flush with copious amounts of water for at least 15 minutes  
**Skin:** Wash immediately with soap and copious amounts of water.  
**Inhalation:** Remove to fresh air  
**Ingestion:** Wash out mouth with water provided person is conscious  
Seek immediate medical attention if symptoms are sever and persist. Show label whenever possible.

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**SECTION 9: PRECAUTION TO BE TAKEN IN HANDLING AND STORING**

Liquid solution should be stored at 2-8°C

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**SECTION 10: SPECIAL PROTECTION INFORMATION**

**Ventilation:** chemical fume hood  
**Eye Protection:** safety goggles, do not wear contact lenses  
**Protective Gloves:** rubber gloves  
**Respiratory Protection:** NIOSH approved single use respirator  
**Other Protective Gear:** safety shower, eye bath

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**SECTION 11: TRANSPORT INFORMATION**

**DOT classification:** n/a  
**DOT pictograms:**