

Section 1: Identification

Common Name/Trade Name	AMIKACIN SULFATE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	Amikacin Sulphate	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Sensitization, skin (Category 1)	
Signal Word	Danger	
Hazard Statement(s)	H317 May cause an allergic skin reaction	
Pictogram(s)		
Precautionary Statement(s)	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. 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 soap and water. P308+P313 IF exposed or concerned Get medical advice/attention. P333+P313 If skin irritation or a rash occurs Get medical advice/attention. P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.	
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data Available	

Section 3: Composition/Information on Ingredients

Chemical Name	D-streptomine, O-3-amino-3-deoxy-alpha-D-glycopyranosyl-(1-6)-O-(6-amino-6-deoxyalpha-D-glycopyranosyl-(1-4))-N(supl)-(4-amino-2-hydroxy-1-oxobutyl)-2-deoxy-, (S)-, sulfate
Common Name	Amikacin Sulfate
CAS Number	39831-55-5
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No data available
If Inhaled	Remove to fresh air. If breathing is difficult, give oxygen. If necessary, get medical attention.
In Case of Skin Contact	Immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.
In Case of Eye Contact	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.
If Swallowed	Immediately wash out mouth with water provided person is conscious. Call a physician.
Most Important Symptoms and Effects	Reproductive system effects. Pharmacologically active material. Occupational exposure may cause physiological effects.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards Arising From the Substance/Mixture	No unusual fire or explosion hazards noted.
Special PPE and/or Precautions for Firefighters	Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact skin and eyes.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation.
Methods and Materials Used for Containment	Do not let product enter drains.
Cleanup Procedures	Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and Storage

Precautions for Safe Handling	Wear appropriate protective clothing and safety gloves. Avoid formation of dust. Avoid contact with eyes, skin and clothing. Avoid inhalation. Provide appropriate exhaust ventilation. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents. No smoking at working site.
Conditions for Safe Storage	Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	Industrial Use: Material: Amikacin Sulfate (CAS 39831-55-5), Type TWA, Value 0.3mg/m3.
Appropriate Engineering Controls	For laboratory operations, use local exhaust ventilation or a ventilated enclosure for high energy operations such as particle sizing. Control exposures to below the occupational exposure level (if available). Select and use containment devices and personal protective equipment based on a risk assessment of exposure potential. Cover all containers for solutions and slurries while being transferred. Mechanical exhaust required. Safety shower and eye bath. No smoking, drinking and eating at working site. Wash thoroughly after handling.
PPE - Eye/Face Protection	Wear safety glasses.
PPE - Skin Protection	Wear appropriate protective clothing and compatible protective gloves.
PPE - Body Protection	Wear appropriate protective clothing and compatible protective gloves.
PPE - Respiratory Protection	Wear government approved respirator if needed.

Section 9: Physical and Chemical Properties

Appearance	A white or almost white crystalline powder.
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Almost odorless, tasteless.
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	2.0-4.0 %
Relative Density	No data available
Melting Point/Freezing Point	220 - 230 °C
Solubility	Very soluble in water, practically insoluble in acetone, alcohol, methanol and chloroform.
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.
Conditions to Avoid	No data available
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides, sulfur oxides, Nitrogen oxides.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Acute: Rat Oral LD50 >4000mg/kg
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	May cause an allergic skin reaction.
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	No data available
Carcinogenicity ACGIH	No data available
Carcinogenicity NTP	No data available
Carcinogenicity OSHA	No data available
Reproductive Toxicity	May damage fertility or the unborn child.
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	No data available
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Contract 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 afterburner and scrubber. Observe all federal, state, and local environment regulations.
Waste Treatment Methods Packaging	Contract 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 afterburner and scrubber. Observe all federal, state, and local environment regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

Skin sensitization: Category 1.

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
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