



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Gentamycin sulfate USP

30-1610

Section 1: Identification

Product Name Gentamycin sulfate USP
Commercial Name Not available
Product Use Not available
Restrictions On Use Not available

Product Code 30-1610

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Respiratory Sensitization Category 1 Skin Sensitization Category 1
CFR 1910.1200

Signal Word DANGER

Hazard Statement(s) May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	Avoid breathing dust/fume/gas/mist/vapors/spray In case of inadequate ventilation wear respiratory protection Contaminated work clothing should not be allowed out of the workplace Wear protective gloves
Response	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician IF ON SKIN: Wash with plenty of soap and water If skin irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before reuse
Storage	Not available.
Disposal	Dispose of contents/container to an approved waste disposal plan

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Gentamycin sulfate
% By Weight >95
CAS# 1405-41-0
Molecular Weight Not available.
Chemical Formula C₂₁H₄₃N₅O₇.H₂SO₄
Synonym(s) GARAMYCIN * GENOPTIC * GENOPTIC S.O.P. * GENTALLINE * GENTAMYCIN SULFATE * GM SULFATE * NSC-82261 * REFOBACIN * SCH 9724 *

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Gentamycin sulfate	1405-41-0	100	Not available.	Not available.

Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur
Symptoms/Effects	
Acute	None reasonably foreseeable. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing
Delayed	None reasonably foreseeable. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing
Immediate Medical Attention	
Treat symptomatically	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Keep product and empty container away from heat and sources of ignition.

Firefighters Special Equipment and Precautions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental Precautions: Should not be released into the environment. Methods for Containment and Clean Up: Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling Wear personal protective equipment/face protection. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Ensure adequate ventilation. Storage Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain product quality: Keep refrigerated

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protection	Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance	Solid. (White. Powdered solid.)		
Odor	Odorless		
Odor Threshold	Not available.		
Melting Point	218 - 237 °C / 424.4 - 45	pH	3.5 - 5.5 (4 %)
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available
Flammability	Not available	Flammability or Explosive Limits:	
		Lower	Not available
		Upper	Not available
Solubility(ies)	Soluble in water		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to Avoid	Incompatible products. Excess heat. Avoid dust formation
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Nitrogen oxides (NO _x)

Section 11: Toxicological Information**RTECS** LY2625000**Acute Toxicity**

LD50 Oral >5 g/kg (Rat)

Skin Corrosion/Irritation

May cause skin, eye, and respiratory tract irritation

Serious Eye Damage/Irritation

May cause skin, eye, and respiratory tract irritation

Respiratory or Skin Sensitization

May cause skin, eye, and respiratory tract irritation

Germ Cell Mutagenicity

Not available

Carcinogenicity

Not available

Reproductive Toxicity

May impair fertility

Routes of Entry

Skin. Eye. Inhalation.

Symptoms Related to Exposure

Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing



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Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information

Ecotoxicity

Do not empty into drains

Persistence and Degradability

Soluble in water Persistence is unlikely based on information available

Bioaccumulative Potential

Not available

Mobility in Soil

Will likely be mobile in the environment due to its water solubility.

Other Adverse Effects

Not available

Section 13: Disposal Considerations

Waste Disposal

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.; California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.



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Other

WHMIS CLASS D-2A: Material causing other toxic (Canada) effects (VERY TOXIC); DSCL (EEC) This product is not classified according to the EU regulations.; Gloves.; Lab coat.; Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.; Safety glasses.

Section 16: Other Information

Not available.