



SAFETY DATA SHEET

Revision Date **21-Mar-2012**

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name GENTAMICIN SULFATE

Recommended Use For research use only
Registration Number No information available

1.1 Product Identifier

Catalog Number: 194530

Supplier: MP Biomedicals, LLC
29525 Fountain Parkway
Solon, OH 44139
tel: 440-337-1200

Emergency Telephone Number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

1.2 Relevant identified uses of the substance or mixture and uses advised against

2. HAZARDS IDENTIFICATION

GHS - Classification

GHS Label elements, including precautionary statements

Physical Hazards None

Risk Combination Phrases

R36/37/38 - Irritating to eyes, respiratory system and skin.

S-phrases(s)

S20 - When using do not eat or drink.

S25 - Avoid contact with eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Safety Combination Phrases:

S37/39 - Wear suitable gloves and eye/face protection.

Not Hazardous Not classified

NFPA rating:

NFPA Health: 0
NFPA Flammability: 0
NFPA Reactivity: 0
NFPA Special Note: -

Precautionary Statements

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: Garamycin; Genoptic; GM Sulfate
Formula: C₂₁H₄₃N₅O₇
Molecular weight: N/A

| Chemical Name | EC No. | CAS Number | Weight % | Classification (67/548) | Classification (Reg. 1272/2008) | REACH Registration Number |
|--------------------|-------------------|------------|----------|-------------------------|---------------------------------|---------------------------|
| GENTAMICIN SULFATE | EEC No. 215-778-9 | 1405-41-0 | 100 | Xi | | No data available |

For the full text of the R phrases and H statements mentioned in this section, see Section 2

4. FIRST AID MEASURES

4.1 Description of first-aid measures

General Advice If symptoms persist, call a physician.

Eye Contact Do not rub affected area. Get medical attention immediately if irritation persists.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation Move to fresh air in case of accidental inhalation of vapors. Immediate medical attention is required. Toxic by inhalation

Rinse mouth Clean mouth with water and afterwards drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms No information available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

See Section 12 for additional information.

6.2 Environmental precautions

Refer to protective measures listed in Sections 7 and 8.

6.3 Methods and materials for containment and cleaning up

No information available.

6.4 Reference to other sections

See Section 12 for additional information

7. HANDLING AND STORAGE

Storage

+4°C

7.1 Precautions for safe handling

Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place

7.3 Specific end uses

Exposure Scenario

No information available

Other Guidelines

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available

8.2 Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

| | |
|--|---|
| Eye Protection | Tightly fitting safety goggles |
| Skin and Body Protection | Long sleeved clothing |
| Hand Protection | Protective gloves |
| Respiratory Protection | No special protective equipment required. |
| Other Protective Equipment | Impervious clothing. |
| Environmental Exposure Controls | No information available. |
| Hygiene Measures | Provide regular cleaning of equipment, work area and clothing.. |

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical State Solid.

Physical Property Data

| | |
|-----------------------------------|---------------------------|
| pH Value | No data available |
| Flash Point | No information available |
| Autoignition Temperature | No data available |
| Melting/Freezing Point | |
| Boiling Point (°C) | No information available. |
| Vapor Pressure | No data available |
| Vapor Density | No information available |
| Water Solubility | No data available |
| Evaporation Rate | No data available. |
| Flammability (solid, gas) | No data available |
| Flammability Limits in Air | |
| upper flammability limit | No data available |
| lower flammability limit | No data available |
| Density | No data available |
| Specific Gravity | No data available. |
| Decomposition Temperature | No data available |
| Viscosity, Kinematic | No data available. |
| Viscosity, Dynamic | No data available. |
| Explosive Properties | No information available. |
| Oxidizing Properties | No information available |
| VOC Content (%) | No information available |

9.2 Other Safety Information

Other Safety Information

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3

Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

None in particular

10.5 Incompatible Materials

None in particular

10.6 Hazardous Decomposition Products

None under normal processing.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity Product does not present an acute toxicity hazard based on known or supplied information

Inhalation No information available.

Eye Irritation No information available.

Acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------------|------------------|--------------------|------------------------|
| GENTAMICIN SULFATE 1405-41-0 | 5 g/kg (Rat) | | |

Mutagenic Effects Contains no ingredient listed as a mutagen.

Carcinogenic Effects None known.

Reproductive Toxicity None known

Developmental Toxicity None known.

Aspiration hazard None known

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

12.2 Persistence and degradability

No data is available on the product itself

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products Dispose of in accordance with local regulations

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG/IMO Not regulated

ICAO Not regulated

ICAO/IATA Not regulated

DOT Not regulated

TDG Not regulated

MEX Not regulated

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | EINECS / ELINCS | DSL / NDSL | PICCS | ENCS | IECSC | AICS | KECL |
|----------------------|-------------|------------------------|-------------------|--------------|-------------|--------------|-------------|-------------|
| GENTAMICIN SULFATE | | Listed | | Listed | Listed | Listed | Listed | Listed |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances / EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippine Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

16. OTHER INFORMATION

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Material Safety Data Sheet

Key literature references and sources for data

www.ChemADVISOR.com/