



Specialized in chemicals

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Safety Data Sheet

Gentamicin Sulfate

Product Information

1. SUBSTANCE IDENTITY

Product Name Gentamicin Sulfate
Brand TNJ

2. CHEMICAL COMPOSITION AND DATA ON COMPONENTS

CAS No. 1405-41-0
Formula No data available
Molecular Weight No data available

3. HAZARD IDENTIFICATION

Label precautionary statements Harmful by inhalation, in contact with skin, and if swallowed. Evidence of neurotoxic and teratogenic effects

NFPA Classification

Health: 2

Flammability: 1

Reactivity: 0

In case of accident or if you feel unwell, seek medical advice immediately (show label when possible). Wear suitable protective clothing, gloves, and eye/face protection.

4. FIRST-AID MEASURES

In case of eye and skin contact

Immediately flush eyes or skin with copious amounts of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Ensure proper flushing of eyes by separating eyelids with fingers.

If inhaled

Remove to fresh air. If breathing is difficult, call a physician.

If swallowed

Wash out mouth with water (provided person is conscious). Call a physician immediately.

Wash all contaminated clothing before reuse

5. FIRE-EXTINGUISHING MEASURES

Suitable extinguishing media

Carbon dioxide, dry chemical powder, polymer foam, water spray

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin

Unusual fire and explosion hazards

May form hazardous decomposition products under fire conditions, including carbon and nitrogen oxides

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Evacuate area. Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves

Methods for cleaning up

Sweep up, avoid raising dust, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete

7. HANDLING AND STORAGE

Handling

Wear government-approved respirator, chemical-resistant gloves, safety goggles, and all other protective clothing. Use only in a chemical fume hood. Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

Storage

Keep tightly closed

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Contains no substances with occupational exposure limit values

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N99 (US) or type P2 (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).

Hand protection

Handle with gloves

Eye protection

Safety glasses

Skin and body protection

Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Colorless or white solid

pH 3.5-5.5 (4% solution)

Melting point 220° CSolubility Soluble in water

Other solvents No data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions. Hygroscopic

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Carbon, nitrogen, and sulfur oxides, irritating and toxic fumes and gases

Hazardous polymerization products

Hazardous polymerization has not been shown to occur

11. TOXOLOGICAL INFORMATION

Potential health effects

Inhalation Hazardous if inhaled. May cause respiratory tract irritation

Skin Hazardous if absorbed through the skin. May cause skin sensitization

Eyes Slightly hazardous in case of eye contact. May cause eye irritation

Ingestion Hazardous if swallowed

Target Organs Kidneys, central nervous system, auditory system

Signs and symptoms of exposure

Aminoglycosides are associated with significant nephrotoxicity and/or ototoxicity

Toxicity Data

Oral Rat LD50 5 g/kg

Skin Rat LD50 No data available

Oral Mouse LD50 11,269 mg/kg

Skin Mouse LD50 No data available

Intraperitoneal Mouse LD50 No data available

Intravenous Mouse LD50 No data available

Only selected registry of toxic effects of chemical substances (RTECS #LY2625000) data is presented here. See actual entry in trees for complete information

12. ECOLOGICAL INFORMATION

No data available

See "Regulatory Information" for Clean Air and Clean Water Act information (US) and WGK (EU)

Treat as if harmful if released into environment

13. DISPOSAL CONSIDERATIONS

Product

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. Observe all federal, state, and local environmental regulations.

US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3

14. TRANSPORT INFORMATION

Proper shipping name No information available

UN No. NA

Class NA

Packing group NA

Hazard label NA

PIH NA

15. REGULATORY INFORMATION

EU Information

S 24/25: Avoid contact with skin and eyes

WGK (Water Danger/Protection): CAS# 1405-41-0

US Information

TSCA: CAS-No. 1405-41-0 is not listed on the TSCA inventory. It is for research and development use only

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule

Section 12b: None of the chemicals are listed under TSCA Section 12b

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSVA

CERCLA Hazardous Substances and corresponding RQs: None of the chemicals in this material have an RQ

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ

SARA Codes: CAS # 1405-41-0: acute, chronic

Section 313: No chemicals are reportable under Section 313

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed under Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA

Canada Information

None of the chemicals in this product are listed on the DSL or NDSL list

This product has a WHMIS classification of D2B.

16. OTHER INFORMATION

Further Information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TOKU-E Co. shall not be held liable for any damage resulting from handling or from contact with the above product. Please see reverse side of invoice or packing slip for additional terms and conditions of sale.

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