



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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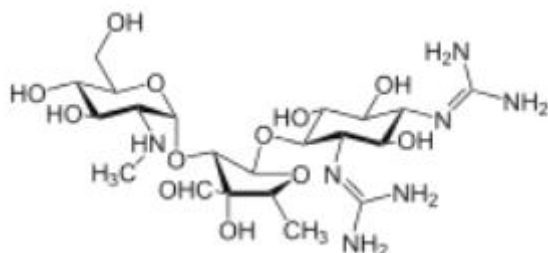
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1. Chemical Product Identification

Product Name: Streptomycin 10% WP

Molecular Formula: $C_{21}H_{39}N_7O_{12}$

Molecular Formula:



Molecular Weight: 581.57 g/mol

Chemical Name:

O-2-deoxy-2-methylamino- α -L-glucopyranosyl-(1-2)-*O*-5-deoxy-3-C-formyl- α -L-lyxofuranosyl-(1-4)-N1,N3-diamidino-D-streptamine

Form: WP

CAS No.: 57-92-1

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Streptomycin	57-92-1	10.0
others		90.0



3. Hazards Identification

Harmful if swallowed or in contact with skin. Wear protective gloves/ protective clothing
Harmful if inhaled. May cause respiratory irritation. Harmful to aquatic life, avoid release to the environment. Wash hands and container with soap and lots of water. Dispose of contents/container to an approved waste disposal plant. Keep out of reach of children.

4. First Aid Measures

If poisoning occurs, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Show this Material Safety Data Sheet to a doctor.

Swallowed: If swallowed, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Keep under medical supervision.

Eye: Rinse immediately with clean water, including under eyelids, for at least 15 minutes and obtain medical advice.

Skin: Remove contaminated clothing. Wash affected areas with plenty of soap and water.

Inhaled: If inhaled, remove to fresh air and obtain medical advice.

5. Fire-Fighting Measures

Fire Fighting Procedures: Firefighters should wear full protective gear, including self-contained breathing apparatus. If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Whenever possible, contain fire-fighting water by bunding area with sand or earth to prevent it entering any bodies of water.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Stability and Reactivity: Stable under normal conditions of use. No dangerous reaction known under normal conditions of use. Avoid extreme heat and fire. Toxic thermal decomposition products may include oxides of carbon, sulfur and nitrogen and compounds of chlorine and fluorine.

6. Accidental Release Measures

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

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate



through the sanitary system.

7. Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage: Store tightly closed. Keep container dry. Keep away from heat. Keep away from sources of ignition.

8. Exposure Controls / Personal Protection

Exposure standards: No occupational exposure standards have been established for the product or its ingredients.

Engineering controls: Control process conditions to avoid contact.

Personal Protective Equipment:

Eyes: Not normally required. Avoid touching eyes while handling product.

Clothing: Avoid skin contact; full-length work clothes should be worn when using this product.

Gloves: Avoid contact with skin; wear waterproof gloves.

Respiratory: Not required.

9. Physical And Chemical Properties

Appearance: Light yellow powder

Odor: odorless

PH: 4.0~7.0

Wetting time: ≤ 180 s

Wet sieve test: Fineness (75 μ m test sieve): 98%

Fully soluble time: ≤ 180 s

10. Stability And Reactivity

Conditions to avoid: Incompatible materials, dust generation, excess heat

Products to avoid: strong oxidizing agents, alkalis and acids.

Thermal decomposition: not applicable

Hazardous decomposition products: Nitrogen oxides, carbon monoxide, oxides of sulfur,



carbon dioxide.

Hazardous reaction: none

11. Toxicological Information

Oral: Acute oral LD50 for rats:>9000 a.i.mg/kg.

Dermal: Acute dermal LD50 for rats: 325 a.i.mg/kg.

Inhalation: Acute inhalation LC50 for rats: >2.72 a.i.mg/l(4h)

Skin irritation: Slight irritation

Eye irritation: Slight eye irritation

Skin sensitization: Not a sensitizer to Guinea Pig

12. Ecological And Ecotoxicological Information

Effect on birds: low toxicity to birds, acute oral LD50 for Mallard ducks is >4640 a.i.mg/kg.

Effect on fish:low toxicity to fish, acute 96 hour LC50 for Rainbow trout is >180 a.i.mg/L.

Effect on aquatic invertebrates: low toxicity to aquatic invertebrates, acute 48 hour EC50 for Daphnia magna is 487 a.i.mg/L.

Effect on algae: moderate toxicity to algae, acute 72 hour EC50 is 0.133 a.i.mg/L.

13. Disposal Considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

Contaminated packaging should be emptied as far as possible and disposed of in accordance with official regulations after being thoroughly cleaned.

Uncontaminated packaging may be treated as household waste.

14. Transport Information

Not applicable

15. Regulatory Information

Not applicable



16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.