

# Sisomicin: sc-208390



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical and Company Information

Chemical Name	Sisomicin		
Catalog Number	sc-208390		
CAS#	32385-11-8		
Synonyms	O-3-Deoxy-4-C-methyl-3-(methylamino)- $\beta$ -L-arabinopyranosyl-(1-6)-O-[2,6-diamino-2,3,4,6-tetradeoxy- $\alpha$ -D-glycero-hex -4-enopyranosyl-(1-4)]-2-deoxy-D-Streptamine; Antibiotic 66-40; Antibiotic 6640; Rickamicin; Sch 13475; Siseptin		
Supplier	Santa Cruz Biotechnology, Inc. 2145 Delaware Avenue Santa Cruz, California 95060 800.457.3801 or 831.457.3800	Emergency	ChemWatch Within the US & Canada: 877-715-9305 Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### Section 2 - Hazardous Ingredients / Identity Information

The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.

### Section 3 - Physical/Chemical Characteristics

Boiling Point	N/A	Appearance and Odor	Off-White Solid
Vapor Pressure	N/A	Specific Gravity(H <sub>2</sub> O=1)	N/A
Vapor Density	N/A	Melting Point	M/A
Solubility in Water	Yes	Evaporation Rate (Butyl Acetate=1)	N/A

### Section 4 - Reactive Data

Stability	Stable, hygroscopic store at -20°C under inert gas	Incompatibility (Materials to Avoid)	Strong oxidizers
Conditions to Avoid	strong oxidizing agents		
Hazardous Decomposition or Byproducts	Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides	Hazardous Polymerization	will not occur

### Section 5 - Control Measures

Respiratory Protection	Niosh/Msha approved respirator	Ventilation	HOOD
Protective Gloves	chemical resistant gloves	Eye Protection	safety goggles
Other Protective Clothing	lab coat, apron	Other Protection	Safety shower and eyewash

### Section 6 - First Aid Measures

Inhalation	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.		
Skin	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.		
Ingestion	If swallowed, wash out mouth with water provided person is conscious. Call a physician.		
Eyes	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.		

### Section 7 - Health Hazard Data

Health Hazards  
(Acute and Chronic)

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care.

#### ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

**Toxicity of animals**

Acute oral toxicity (LD50): >5000 mg/kg [Mouse].

**Chronic effects on humans**

Hazardous in case of skin contact (permeator), of ingestion, of inhalation.

**Other toxic effects on humans**

TERATOGENIC EFFECTS: Classified POSSIBLE for human.

**Specical remarks on chronic effects on humans**

May cause congenital malformations in the foetus

*Medical Conditions*

*Generally Aggravated by*

*Exposure*

THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOURGHLY INVESTIGATED

**Section 8 - Precautions for Safe Handling and Use**

*Steps to be Taken in  
Case Material is  
Released or Spilled*

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. 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.

*Waste Disposal Method*

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.

*Precautions to Be  
Taken in Handling  
and Storage*

Keep tightly closed. Store in a cool dry place.

**Section 9 - Fire and Explosion Hazard Data**

*Extinguishing Media*

Carbon Dioxide, Dry chemical powder or appropriate foam.

*Special Fire Fighting  
Procedures*

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

*Unusual Fire and  
Explosion Hazards*

MAY EMIT TOXIC FUMES UNDER FIRE CONDITIONS

**Section 10 - Transportation Information and regulatory information****DOT**

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**IATA**

Non-Hazardous for Air Transport: Non-hazardous for air transport.

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

9/20/2010