



## IBI SCIENTIFIC

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Issuing Date: 7-Jan-1998

Revision Date: 6-Jan-2011

Rev. 3

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

**Product Name:** Kanamycin Sulfate  
**Product Code:** IB02120  
**Recommend Use:** For further manufacturing use only  
Not for human or animal drug use  
Antibiotic for cell culture, binds to the 70S subunit of bacterial ribosome  
**Synonyms:** CANTREX \* CRISTALOMICINA \* KAMYCIN \* KAMYNEX \* KAMANABRISTOL \* KANACEDIN \* KANAMYCIN A SULFATE \* KANAMYCIN MONOSULFATE \* KANAMYCINSULFATE \* KANAMYTREX \* KANAQUA \* KANASIG \* KANATROL \* KANESCIN \* KANICIN \* KANNASYN \* KANO \* KANTREX \* KANTREXIL \* KANTROX \* KLEBCIL \* OPHTALMOKALIXAN \* OTOKALIXIN \* RESISTOMYCIN (BAYER) \*  
**Company:** IBI SCIENTIFIC  
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### 2. HAZARDOUS IDENTIFICATION

#### GHS – Classification

**Classification:** Acute Toxicity Oral 4 Skin Irritant 2 Eye Irritant 2 Skin Sensitizer 1 Respiratory Sensitizer 1 Toxic to Reproduction 1B  
**Signal Word:** Danger



**Hazard Statements:** H315-Causes skin irritation \* H319-Causes serious eye irritation \* H317-May cause an allergic skin reaction \* H334-May cause allergy or asthma symptoms or breathing difficulties if inhaled \* H341-Suspected of causing genetic defects  
**Precautionary Statements:** P264-Wash hands thoroughly after handling \* P270-Do not eat, drink, or smoke when using this product \* P301+P312-IF SWALLOWED: Call a Poison Center or doctor/physician if you feel unwell \* P330-Rinse mouth.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical Name:</b>	Kanamycin sulfate
<b>EC No.:</b>	EEC No. 246-933-9
<b>REACH Reg. No.:</b>	Not Available
<b>CAS No.:</b>	25389-94-0
<b>Weight %:</b>	95 – 100
<b>Classification:</b>	R43

### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact:</b>	Remove contaminated clothing and shoes. In case of contact with substance, wipe from skin immediately; flush skin or eyes with running water for at least 20 minutes.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen.
<b>Ingestion:</b>	Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person.
<b>Notes to Physician:</b>	Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

<b>Flammable Properties:</b>	Not flammable
<b>Flash Point:</b>	Not determined
<b>Suitable Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , water spray, regular foam
<b>Hazardous Combustion Products:</b>	Carbon oxides, Nitrogen oxides (NO <sub>x</sub> )
<b>Explosion Data</b>	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
<b>Protective Equip. &amp; Precautions for Firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.
<b>Methods for Containment:</b>	Prevent further leakage or spillage, if safe to do so.
<b>Methods for Cleaning Up:</b>	Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

### 7. HANDLING AND STORAGE

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage:</b>	Keep container tightly closed in a dry, cool, and well-ventilated place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Chemical Name:</b>	Kanamycin Sulfate - #25389-94-0
ACGIH TLV:	-
OSHA PEL:	-
NIOSH IDLH:	-

**Engineering Measures:** Showers, Eyewash Stations, Ventilation Systems

**Personal Protective Equipment**

Eye/Face Protection: Safety glasses with side-shields.  
 Skin & Body Protection: Wear protective gloves/clothing.  
 Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Fine white to off-white powder  
**Odor:** No information available  
**Odor Threshold:** No information available  
**Decomposition Temp. °C:** No information available  
**Freezing Point:** No information available  
**Initial Boiling Point:** No information available  
**Physical State:** Powder  
**pH:** No data available  
**Flash Point:** Not determined  
**Autoignition Temp. °C:** No data available  
**Boiling Point/Range:** No data available  
**Melting Point/Range:** No data available  
**Flammability Limits (Air):** Upper-No data available \* Lower-No data available  
**Explosion Limits** No information available  
**Explosive Properties:** No information available  
**Oxidizing Properties:** No information available  
**Evaporation Rate:** No information available  
**MMHG @ 37.8°C:** No data available  
**Vapor Density:** No data available  
**Specific Gravity:** No data available  
**Solubility:** No information available  
**Partition Coefficient (n-octanol/water):** No data available  
**Viscosity:** No information available

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under recommended storage conditions  
**Incompatible Products:** None known based on information supplied  
**Conditions to Avoid:** None known based on information supplied  
**Hazardous Decomposition Products:** Carbon oxides, Nitrogen oxides (NOx)  
**Hazardous Polymerization:** Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

Product Information: Causes skin, eye, and respiratory tract irritation. Sensitizer.  
 Chemical Name: Kanamycin Sulfate - #25389-94-0  
 LD50 Oral: 4g/kg (Rat)  
 LD50 Dermal: -  
 LC50 Inhalation: -

**Chronic Toxicity**

Chronic Toxicity: May cause harm to the unborn child.  
**Target Organ Effects:** Kidneys, Ears.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** The environmental impact of this product has not been fully investigated

**13. DISPOSAL CONSIDERATIONS**

**Water Disposal Method:** Dispose of material in accordance with all federal, state, and local regulations.  
**Contaminated Packaging:** Dispose of in accordance with all federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

**IATA**

Not regulated

**US DOT**

Not regulated

**15. TOXICOLOGICAL INFORMATION**

**REACH Title VII Restrictions**

Chemical Name:	No information available
Dangerous Substances:	Kanamycin Sulfate - #25389-94-0
Organic Solvents:	Not applicable
Harmful Substances Whose Names are to be indicated on the Label:	Not applicable
Pollution Release and Transfer Registry (Class II):	Not applicable
Pollution Release and Transfer Registry (Class I):	Not applicable
Poison and Deleterious Substances Control Law:	Not applicable
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying:	Not applicable
ISHA – Harmful Substances Requiring Permission:	Not applicable
Toxic Chemical Classification Listing (TCCL):	Not applicable
Toxic Release Inventory (TRI) – Group I:	Not applicable
Toxic Release Inventory (TRI) – Group II:	Not applicable

**International Inventories**

TSCA:	Does not comply
EINECS/ELINCS:	Complies
ENCS:	Complies
IECSC:	Does not comply
KECL	Complies
PICCS	Complies
AICS	Complies

**U.S. Federal Regulations**

**SARA 313** Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Clean Air Act** This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**

**U.S. State Regulations**  
**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**International Regulations**  
**Mexico**

No information available

**Canada**

No information available

**WHMIS Hazard Class**  
D2A – Very toxic materials  
D2B – Toxic materials



**16. OTHER INFORMATION**

**Issuing Date:** 7-Jan-1998

**Revision Date:** 6-Jan-2012

**Revision Note:** Update to GHS Standard

**Recommended Restrictions:** No information available

**Disclaimer:** The information provided on this MSDS 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 test.

**End of MSDS**