

AERBIO LTD.
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SECTION 1: IDENTIFICATION

Effective Date: 4-2-93

Product Name: Kanamycin Sulfate

Synonyms: Cantrex * Cristalomocina * Kanycin * Kamynex * Kanabristol * Kanacedin * Kanamycin A Sulfate * Kanamycin Monosulfate * Kanamycin Sulfate * Kanamytrex * Kanaqua * Kanasig * Kanatrol * Kanescin * Kanicin * Kannasyn * Kano * Kantrex * Kantrexil * Kantrox * Klebcil * Ophthalmokalixan * Otokalixin * Resistomycin (Bayer) *

CAS No.: 25389-94-0

SECTION 2: TOXCITY HAZARDS

RTECS data and synonyms supplied are for a closely related compound.

RTECS No.: NZ3225030

Kanamycin, Sulfate (1:1) (salt)

Toxicity Data:

IPR-RAT	LD50:3200 MG/KG	JJANAX	25, 415, 75
SCU-RAT	LD50:1700 MG/KG	ARZNAD	12, 597, 62
IVN-RAT	LD50:225 MG/KG	JJANAX	28, 415, 75
ORL-MUS	LD50:17500 MG/KG	NIIRDN	6, 173, 82
IPR-MUS	LD50:1648 MG/KG	85ERAY	1, 690, 78
SCU-MUS	LD50:1648 MG/KG	85ERAY	1, 690, 78
IVN-MUS	LD50:240 MG/KG	NIIRDN	6, 173, 82
IMS-MUS	LD50:1190 MG/KG	NIIRDN	6, 173, 82
IVN-RBT	LD50:550 MG/KG	JJANAX	28, 415, 75

Reviews, Standards, and Regulations:

NOES 1983: HZD X4729; NIS 2; TNF 320; NOS 6; TNE 11433; TFE 8118

Target Organ Data:

Sense organs and special senses (Changes in Acuity)
Effects on embryo or fetus (Fetotoxicity)
Effects on embryo or fetus (Fetal Death)
Specific developmental abnormalities (Musculoskeletal System)
Only selected registry of toxic effects of chemical substances (RTECS)

Data is presented here. See actual entry in RTECS for complete information.

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SECTION 3: HEALTH HAZARD DATA

Acute Effects:

Harmful if swallowed, inhaled, or absorbed through skin.
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Aminoglycosides are associated with significant nephrotoxicity and/or ototoxicity.

Chronic Effects:

Target organ (s) :
Ears

First Aid:

If swallowed, wash out mouth with water provide person is conscious.
Call a physician.

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
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. Call a physician.

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SECTION 4: PHYSICAL DATA

Solubility:

Water -soluble

Appearance and odor:

Solid

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media:

Water spray.
Carbon Dioxide, dry chemical powder or appropriate foam.

Special Firefighting Procedures:

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

Unusual Fire and Explosion Hazards:

Emits toxic fumes under fire conditions.

SECTION 6: REACTIVITY DATA

Stability:

Stable.

Hazardous Combustion or Decomposition Products:

Toxic fumes of:
Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

Hazardous Polymerization:

Will not occur.

SECTION 7: SPILL OR LEAK PROCEDURES

Steps To Be Taken if 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 laws.

Precautions To Be Taken in Handling and Storage

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
Use only in a chemical fume hood.

Label Precautionary Statements:

Irritant

Harmful by inhalation, in contact with skin and if swallowed.

Target Organ (s) :

Ears

If you feel unwell, seek medical advice (show the label where possible).

Wear suitable protective clothing, gloves and eye/face protection.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. AerChem, Inc. Shall not be held liable for any damage resulting from handling or from contact with the above product.