

Material Safety Data Sheet

Revised Date: 12-Mar-2010

Section 1: Product Identification

Product name: Kanamycin sulfate, powder

Catalog number: 1-00305, 1-00325, 1-00350, 1-003100

Section 2: Composition/Information on Ingredients

CAS number: 25389-94-0

Molecular Formula: $C_{18}H_{36}N_4O_{11}H_2S O_4$

Molecular Weight: 582.6 g/mol

Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

Section 3: Hazardous Identification

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

May cause irritation of respiratory tract

May cause eye irritation with susceptible persons

Principle Routes of Exposure/Potential Health effects

Eyes: May cause eye irritation with susceptible persons.

Skin: No information available

Inhalation: May cause irritation of respiratory tract.

Ingestion: No information available

Specific effects

Carcinogenic effects: No information available

Mutagenic effects: No information available

Reproductive toxicity: No information available

Sensitization No information available

Target Organ effects: No information available

HMIS rating:

Health: 0

Flammability: 0

Reactivity: 0

Section 4: First Aid Measures

Skin contact: Wash off immediately with plenty of water

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion: Never give anything by mouth to an unconscious person

Inhalation: Move to fresh air

Notes to physician: Treat symptomatically.

Section 5: Fire Fighting Measures

Suitable extinguishing media - Dry chemical

Special protective equipment for Firefighters - Wear self-contained breathing apparatus and protective suit

Section 6: Accidental Release Measures

Personal precautions Use personal protective equipment

Methods for cleaning up Take up mechanically and collect in suitable container for disposal.

Section 7: Handling and Storage

Handling No special handling advice required

Storage Keep in properly labelled containers

Section 8: Exposure Controls/ Personal Protection

Occupational exposure controls

Exposure limits

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment

Hand protection Protective gloves

Eye protection Safety glasses with side-shields

Skin and body protection Lightweight protective clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls Prevent product from entering drains.

Section 9: Physical and Chemical Properties

Appearance - off-white solid

Boiling point/range - No data available

Melting point/range - No data available

Flash point - No data available

Autoignition temperature - No data available

Oxidizing properties - No data available

Water solubility - No data available

Section 10: Stability And Reactivity Data

Stability Stable.

Materials to avoid No information available

Hazardous decomposition products No information available

Polymerization Hazardous polymerisation does not occur.

Section 11: Toxicological Information

Acute toxicity

Principle Routes of Exposure/

Potential Health effects

Eyes May cause eye irritation with susceptible persons.

Skin No information available

Inhalation May cause irritation of respiratory tract.

Ingestion No information available

Specific effects

Carcinogenic effects No information available

Mutagenic effects No information available

Reproductive toxicity No information available

Sensitization No information available

Target Organ Effects No information available

Section 12: Ecological Information

Ecotoxicity effects No information available.

Mobility No information available.

Biodegradation Inherently biodegradable.

Bioaccumulation Does not bioaccumulate

Section 13: Disposal Considerations

Dispose of in accordance with local regulations

Section 14: Transport Information

IATA

Proper shipping name Not classified as dangerous in the meaning of transport regulations

Hazard Class No information available

Subsidiary Class No information available

Packing group No information available

UN-No No information available

Section 15: Regulatory Information

International Inventories

U.S. Federal Regulations

SARA 313 This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

Section 16: Other Information

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SAN DIEGO BIOSCIENCE, INC.

3030 Bunker Hill Street, San Diego, CA 92109

Email: sales@sdbioscience.com