西亚试剂® Xiya Reagent 说明书

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化 学 品 安 全 技 术 说 明 书

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MSDS标题

VALINOMYCIN MSDS报告

产品标题

缬氨霉素

CAS号

2001-95-8

化学品及企业标识

PRODUCT NAME

VALINOMYCIN

NFPA

Flammability	1
Toxicity	4
Body Contact	4
Reactivity	0
Chronic	0

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

PRODUCT USE

Insecticide, nematocide. As ionophore in ion selective membrane electrode used in the determination potassium ion concentration in serum and in the on- line continuous potentiometric measurement of potassium concentration in whole blood during open heart surgery. Cyclododecadepsi peptide ionophore antibiotic produced by Streptomyces fulvissimus. Related to the enniatins.

SYNONYMS

C54-H90-N6-O18, "antibiotic N-329-B", "antibiotic N-329-B", NSC-122023, "insecticide/ nematocide"

CANADIAN WHMIS SYMBOLS

EMERGENCY OVERVIEW

RISK

Very toxic in contact with skin and if swallowed.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

Severely toxic effects may result from the accidental ingestion of the material; animal experiments indicate that ingestion of less than 5 gram may be fatal or may produce serious damage to the health of the individual. Considered an unlikely route of entry in commercial/industrial environments.

EYE

Although the material is not thought to be an irritant, direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn).

SKIN

Skin contact with the material may produce severely toxic effects; systemic effects may result following absorption and these may be fatal. The material is not thought to be a skin irritant (as classified using animal models). Temporary discomfort, however, may result from prolonged dermal exposures. Good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Toxic effects may result from skin absorption.

INHALED

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive

concentrations of particulate are inhaled.

CHRONIC HEALTH EFFECTS

Principal routes of exposure are usually by skin contact/absorption and inhalation of generated dust. No human exposure data available. For this reason health effects described are based on experience with chemically related materials. As with any chemical product, contact with unprotected bare skin; inhalation of vapor, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.