

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-110/11089-65-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

11089-65-9

Code:

M

RTECS:

YO7980200

Code:

F

Name:

TUNICAMYCIN

Other REC Limits:

N/K (FP N)

OSHA PEL:

N/K (FP N)

Code:

M

OSHA STEL:

N/K (FP N)

Code:

M

ACGIH TLV:

N/K (FP N)

Code:

M

ACGIH STEL:

N/K (FP N)

Code:

M

Control Measures

Respiratory Protection:

USE A NIOSH APPROVED RESPIRATOR.

Ventilation:

HANDLE IN A CHEMICAL FUME HOOD WITH ADEQUATE VENTILATION.

Protective Gloves:

CHEMICAL RESISTANT GLOVES.

Eye Protection:

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:

Equipment ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER (FP N).

Work Hygienic Practices:

4 WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:

PHYSICAL/CHEMICAL PROPERTIES: SOLUBILITY: SOLUBLE IN DMF, DMSO AND PYRIDINE.

Health Hazards Data

LD50/LC50/Mixture:

SEE TOXICOLOGICAL INFORMATION.

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE: MAY BE HARMFUL OR FATAL BY INGESTION, INHALATION OR ABSORPTION THROUGH SKIN. MATERIAL MAY CAUSE MICROSCOPIC LIVER DAMAGE AND DECREASED LIVER ENZYME ACTIVITY. CHRONIC: THERE IS LIMITED EVIDENCE THAT TUNICAMYCIN IS TERATOGENIC IN LABORATORY ANIMALS. THERE IS ALSO LIMITED EVIDENCE THAT TUNICAMYCIN IS MUTAGENIC IN LABORATORY CELL CULTURES. UNTIL FURTHER TESTING HAS BEEN DONE, IT SHOULD BE TREATED AS A POSSIBLE TERATOGEN AND MUTAGEN IN HUMANS. 2

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:

N/P

First Aid:

SKIN: WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH BEFORE WEARING. CONSULT A PHYSICIAN. EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CONSULT A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR AND MONITOR BREATHING. IF BREATHING BECOMES DIFFICULT, GIVE OXYGEN AND CONSULT A PHYSICIAN. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION AND CONSUL

Spill Release Procedures:

EVACUATE AREA. WEAR A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS, AND HEAVY RUBBER GLOVES. SWEEP UP AND PLACE IN A SUITABLE CONTAINER. AVOID RAISING DUST. HOLD FOR APPROPRIATE DISPOSAL. WASH SPILL SITE AND VENTILATE AREA AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:

N/P

Waste Disposal Methods:

COUNTRY, FEDERAL, STATE, & LOCAL REGULATIONS ARE VARIED & CHANGE FREQUENTLY. FOR THIS REASON, MANUFACTURER RECOMMENDS THAT YOU CONTACT YOUR LOCAL DEPARTMENT OF HEALTH SERVICES FOR INFORMATION ON THE DISPOSAL OF THIS PRODUCT/ARRANGE FOR DISPOSAL BY A LICENSED DISPOSAL COMPANY. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS (FP N).

Handling And Storage Precautions:

STORE IN A TIGHTLY CLOSED CONTAINER IN A COOL, DRY PLACE (+20C). POSSIBLE TERATOGEN AND MUTAGEN. AVOID CONTACT WITH MATERIAL. AVOID PROLONGED OR REPEATED EXPOSURE. LAB SHOULD BE EQUIPPED WITH A SAFETY SHOWER AND AN EYE WASH STATION. WASH THOROUGHLY AFTER HANDLING MATERIAL.

Other Precautions:

MATERIAL SHOULD ONLY BE HANDLED BY QUALIFIED, EXPERIENCED PROFESSIONALS. 3

Fire and Explosion Hazard Information

Flash Point Method:**Flash Point:****Flash Point Text:**

N/A

Autoignition Temp:**Autoignition Temp Text:**

N/P

Lower Limits:**Upper Limits:****Extinguishing Media:**

DRY CHEMICAL POWDER, CARBON DIOXIDE, ALCOHOL OR POLYMER FOAM.

Fire Fighting Procedures:

WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

UPON THERMAL DECOMPOSITION, IT MAY EMIT TOXIC GASES.

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

N/P

Melt/Freeze Pt:

>234C, 453.2F

M.P/F.P Text:

234C - 235C

Decomp Temp:**Decomp Text:**

N/P

Vapor Pres:

N/P

Vapor Density:

N/P

Volatile Org Content %:

NO

Spec Gravity:

N/P

VOC Pounds/Gallon:**PH:**

N/P

VOC Grams/Liter:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

N/P

Solubility in Water:

N/P

Appearance and Odor:

SOLID.

Percent Volatiles by Volume:

N/P

Corrosion Rate:

N/P

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Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

STABILIZE UNDER NORMAL HANDLING PROCEDURES.

Materials To Avoid:

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:

UPON THERMAL DECOMPOSITION, IT MAY EMIT TOXIC GASES INCLUDING CARBON MONOXIDE, CARBON DIOXIDE, AND NITROGEN OXIDES.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/P

Toxicological Information