

4-Epi Doxycycline: sc-210032



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1 - General Information

Chemical Name:

4-Epi Doxycycline

CAS Reg. Number:

6543-77-7

Catalog Number:

sc-210032

Supplier:

Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800

Emergency:

ChemWatch

Within the US & Canada: 877-715-9305

Outside the US & Canada: +800 2436 2255

(1-800-CHEMCALL) or call +613 9573 3112

Section 2 - Hazardous Ingredients/Identity Information

Emergency Overview:

Target Organs: Teeth., Bone, Nerves., Liver, Heart,

HMIS Classification:

Health Hazard: 2: Flammability: 0: Physical hazards: 1

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Solubility in Water:

N/A

Appearance and Odor:

Yellow Solid

Melting Point:

>176° C

Vapor Pressure:

N/A

Evaporation Rate (ButylAcetate=1):

N/A

Specific Gravity(H₂O=1):

N/A

Vapor Density:

N/A

Molecular Formula:

C₂₂H₂₄N₂O₈

Molecular Weight:

444.43

Section 4 - Reactive Data

Stability: STABLE, hygroscopic store under inert gas

Incompatibility (Materials to Avoid): Strong oxidizing agents

Conditions to Avoid: Strong oxidizers

Hazardous Decomposition or Byproducts: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, hydrogen chloride gas

Hazardous Polymerization: WILL NOT OCCUR

Section 5 - Control Measures

Respiratory Protection:

Niosh/Msha approved respirator

Protective Gloves:

Chemical resistant gloves

Other Protective Clothing:

Lab coat or apron

Ventilation:

Hood

Eye Protection:

chemical safety goggles

Other Protection:

safety shower and eye bath

Section 6 - First Aid Measures

Inhalation: IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN.

Skin: IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES.

Ingestion: IN SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

Eyes: IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN.. ASSURE ADEQUATE FLUSHING BY SEPARATING EYELIDS.

Section 7 - Health Hazard Data

Health Hazards (Acute and Chronic):

Acute toxicity

No data available Irritation and corrosion no data available Sensitisation no data available Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

Signs and Symptoms of Exposure

narcosis, Damage to the heart.

Potential Health Effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Ingestion May be harmful if swallowed.

Target Organs Teeth., Bone, Nerves., Liver, Heart,

Medical Conditions Generally Aggravated by Exposure:

To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care.

Section 8 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: WEAR PROTECTIVE EQUIPMENT. 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 ENVIRONMENTAL REGULATIONS.

Precautions to Be Taken in Handling and Storage: MECHANICAL EXHAUST REQUIRED. DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE. STORE AT -20° C.

Section 9 - Fire and Explosion Hazard Data

Extinguishing Media: WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

Special Fire Fighting 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 10 - Transportation Information and regulatory information

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

01/05/2011