# ACTINOMYCIN C CAS # 8052162 HAZARDOUS CHEMICAL OF CONCERN

A Special Carcinogen E Dermal Hazard I Neurotoxin

B Human Terato\Repro Haz F Corrosive J Suspect Carcinogen

C Highly Toxic G Eye Damage K Suspect Terato\Repro Haz

D Inhalation Hazard H STEL L Sensitizers

HAZARD INDEX A B C D . . . . . . . L

NFPA HAZARD CODES (H,F,R,O) 0 0 0

SPECIAL CARCINOGEN - DESIGNATED AREA MAY BE REQUIRED

CHRONIC TOXICITY RISK INDEX 5++ - TD50 .0 mg/Kg

HUMAN TERATOGEN - DESIGNATED AREA MAY BE REQUIRED

EXTREMELY TOXIC - DESIGNATED AREA MAY BE REQUIRED

ACUTE TOXICTY RISK INDEX 4.8 - LD50 7.2 mg/Kg

INHALATION HAZARD INHALATION RISK INDEX <1 - LC50

ROUTE OF EXPOSURE

Multiple Routes: May be fatal if inhaled, swallowed, or absorbed

through skin. Causes burns.

SENSITIZATION

Sensitization: Prolonged or repeated exposure may cause allergic

reactions in certain sensitive individuals.

TARGET ORGAN(S) OR SYSTEM(S)

Kidneys. Liver. Bone marrow.

SIGNS AND SYMPTOMS OF EXPOSURE

Exposure can cause: Anemia. Drowsiness. Weakness. To the best of

our knowledge, the chemical, physical, and toxicological

properties have not been thoroughly investigated. Symptoms of

exposure may include burning sensation, coughing, wheezing,

laryngitis, shortness of breath, headache, nausea, and vomiting.

Inhalation may result in spasm, inflammation and edema of the

larynxand bronchi, chemical pneumonitis, and pulmonary edema.

Material is extremely destructive to tissue of the mucous

membranes and upper respiratory tract, eyes, and skin.

PHYSICAL CHARACTERISTICS

PHYSICAL STATE: Solid

SEGREGATION: SHELF # 2

STORAGE GROUP(S):

g - Non-Reactive/Non-Hazardous

WASTE CHARACTERISTIC HAZARD: TOXIC

INCOMPATIBILITIES:Strong bases, Strong acids, Strong oxidizing agents.

FIRE EXTINGUISHER: Water spray. Carbon dioxide, dry chemical powder, or

appropriate foam.

TOXIC EMISSIONS WHEN BURNED: Nitrogen oxides

Store at 2-8°C

Keep tightly closed.

REACTIVE PROPERTIES

User Exposure: Do not breathe dust. Do not get in eyes, on skin, on

clothing. Avoid prolonged or repeated exposure. STORAGE: Keep tightly

closed\. Store at 2-8░C

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: T+

Indication of Danger: Very toxic.

R: 46-61-26/27/28

Risk Statements: May cause heritable genetic damage. May cause

harm to the unborn child. Very toxic by inhalation, in contact

with skin and if swallowed.

S: 53-36/37/39-45

Safety Statements: Avoid exposure - obtain special instructions

before use. Wear suitable protective clothing, gloves, and

eye/face protection. In case of accident or if you feel unwell,

seek medical advice immediately (show the label where possible).

The information presented in the OPMSDS is intended as a synopsis of relative hazard characteristics for this chemical, for application within the UMass-Boston Chem/XL Laboratory Program. This information is derived from a wide range of sources documented in that program. While these sources are considered credible, the user is cautioned that the university cannot guarantee the accuracy nor accept responsibility for damages which may arise from errors, omissions, or the use of this information in any context other than intended. The user is strongly encouraged to seek additional information whenever feasible.