

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-50/50-76-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
50-76-0  
**Code:**  
M

**RTECS:**  
AU1575000  
**Code:**  
M

**Name:**  
DACTINOMYCIN

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
WEAR A NIOSH-APPROVED AIRLINE RESPIRATOR OR SELF-CONTAINED BREATHIG APPARATUS IF EXPOSED TO AIRBORNE DUST.

**Ventilation:**  
ADEQUATE TO REMOVE DUST. NONE NEEDED IF MATERIAL IS IN VIAL.

**Protective Gloves:**  
4 DISPOSABLE SURGICAL LATEX RECOMMENDED

**Eye Protection:**  
SAFETY GOGGLES

**Other Protective Equipment:**  
Equipment EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING AND/OR UNIFORM

**Work Hygienic Practices:**  
OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

**Supplemental Safety and Health:**  
MATERIAL SHOULD BE USED IN A LABORATORY HOOD WITH HIGH EFFICIENCY FILTER.

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 (ORAL, RAT) IS 7.2 MG/KG.

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE SEVERE EYE IRRITATION. CORROSIVE TO SKIN. INHALATION MAY BE IRRITATING TO MUCOUS MEMBRANES OF RESPIRATORY TRACT.ANIMAL STUDY SHOWS T HAT COMPOUND IS HIGHLY TOXIC BY INGESTION. MAY CAUSE IRRITATION OF UPPER GI TRACT. CHRONIC- UNKNOWN.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
IRRITATION

**Medical Cond Aggravated By Exposure:**  
UNKNOWN

**First Aid:**  
CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK WATER. CALL A PHYSICIAN.

**Spill Release Procedures:**  
WEAR PERSONAL PROTECTIVE EQUIPMENT. VACUUM, SHOVEL OR SWEEP UP SPILLED MATERIAL AND PLACE IN AN APPROPRITE CONTAINER FOR DISPOSAL. AVOID GENERATION OF DUST. AVOID CONTACT WITH SKIN OR EYE. DO NOT ALLO W SPILL ENTER SEWER.

**Neutralizing Agent:**  
5% TRISODIUM PHOSPHATE

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. INCINERATION RECOMMENDED. 3

**Handling And Storage Precautions:**  
STORE AT 36-46F. PROTECT FROM LIGHT & MOISTURE. KEEP CONTAIN TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.

**Other Precautions:**  
AS A GENERAL RULE, WHEN HANDLING PHARMACEUTICAL PRODUCTS, AVOID ALL FORMS OF CONTACT AND INHALATION OF DUST, FUMES, MISTS, AND/OR VAPORS ASSOCIATED WITH THE PRODUCT. IT IS PREFERABLE THAT MATERIAL BE HANDLED IN DISSOLVED STATE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
WATER SPRAY OR ALL PURPOSE DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

**Fire Fighting Procedures:**  
WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS IF VIALS ARE INVOLVED IN FIRE AND CONTENTS ARE RELEASED OR BURNING..

**Unusual Fire/Explosion Hazard:**  
TOXIC GASES MAY BE GENERATED.

## Physical/Chemical Properties

**HCC:**  
T6

**NRC/State LIC No:**  
NOT RELEVANT

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/R

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
UNKNOWN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
UNKNOWN

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
NOT RELEVANT

**Solubility in Water:**  
VERY SOLUBLE 5

**Appearance and Odor:**  
SPERILE, YELLOW LYOPHILIZED POWDER. WHEN RECONSTITUTED: CLEAR, GOLD-COLORED SOL

**Percent Volatiles by Volume:**  
N/R

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
LIGHT, MOISTURE

**Materials To Avoid:**  
NONE

**Hazardous Decomposition Products:**  
TOXIC GASES OF CARBON MONOXIDE, CARBON DIOXIDE AND SMOKE MAY BE GENERATED.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT RELEVANT

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P