



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Mitomycin USP

55-3642

### Section 1: Identification

**Product Name** Mitomycin USP  
**Commercial Name** Not available.  
**Product Use** Not available  
**Restrictions On Use** Not available

**Product Code** 55-3642

**Company** PCCA  
9901 South Wilcrest  
Houston, TX 77099  
Phone: 1-800-331-2498  
Fax: 1-800-874-5760

In case of emergency contact:  
**CHEMTREC (24hr) 1-800-424-9300**

### Section 2: Hazard(s) Identification

**OSHA Haz Com:** Acute toxicity, oral Category 2 Carcinogenicity Category 2  
**CFR 1910.1200**

**Signal Word** DANGER

**Hazard Statement(s)** Fatal if swallowed. Suspected of causing cancer.

**Pictogram(s) or Symbol(s)**



**Precautionary Statement(s):**

**Prevention** P203 Obtain, read and follow all safety instructions before use. P264 Wash contact area thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

**Response** P318 IF exposed or concerned, get medical advice. P321 Specific treatment (see measures on this label). P330 Rinse mouth. P301+P316 IF SWALLOWED: Get emergency medical help.

**Storage** P405 Store locked up.

**Disposal** P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

### Section 3: Composition/Information on Ingredients

**Substance/Mixture** Substance  
**Components** Mitomycin USP  
**% By Weight** 100  
**CAS#** 50-07-7  
**Molecular Weight** 334.33 g/mole  
**Chemical Formula** C<sub>15</sub>H<sub>18</sub>N<sub>4</sub>O<sub>5</sub>  
**Synonym(s)** 7- Amino -9- alpha- methoxymitosane; Ametycin; Ametycine; Mitocin -C; Mitomycin; Mitomycin -C; Mitomycinum; Mutamycin; Mytomycin

#### Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Mitomycin USP	50-07-7	100	Not available	Not available

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
<b>Skin Contact</b>	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
<b>Delayed</b>	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

**Immediate Medical Attention**

Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination. Treat symptomatically. Symptoms may be delayed.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Dry chemical, carbon dioxide or alcohol-resistant foam.

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter or spread fire.

**Products of Combustion**

May emit poisonous fumes on fire. Containers may explode when heated. Fire exposed containers may vent contents through pressure relief valves. May expansion or decompose explosively when heated or involved in fire.

**Firefighters Special Equipment and Precautions**

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Fight fire from a safe distance, with adequate cover. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Section 6: Accidental Release Measures**

> Personal Precautions, Protective Equipment and Emergency Procedures 1 Ensure adequate ventilation. Remove all sources of ignition. 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. 3 Use personal protective equipment. Avoid breathing vapours, mist, gas or dust. > Environmental Precautions 1 Prevent further leakage or spillage if safe to do so. 2 Discharge into the environment must be avoided. > Methods and Materials for Containment and Cleaning Up 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding. 2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. 3 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

**Section 7: Handling and Storage**

> Precautions for Handling 1 Handling is performed in a well ventilated place. 2 Wear suitable protective equipment. 3 Avoid contact with skin and eyes. 4 Keep away from heat/sparks/open flames/ hot surfaces. 5 Take precautionary measures against static discharges. > Precautions for Storage 1 Keep containers tightly closed. 2 Keep containers in a dry, cool and well-ventilated place. 3 Keep away from heat/sparks/open flames/ hot surfaces. 4 Store away from incompatible materials and foodstuff containers.

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	> Engineering Controls 1 Ensure adequate ventilation, especially in confined areas. 2 Ensure that eyewash stations and safety showers are close to the workstation location. 3 Use explosion-proof electrical/ventilating/lighting/equipment. 4 Set up emergency exit and necessary risk-elimination area.



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### Personal Protection

Eye Protection: Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US). Hand Protection: Wear protective gloves(such as butyl rubber), passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard. Respiratory protection: If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges. Skin and Body: Protection Wear fire/flamm resistant/retardant clothing and antistatic boots.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Blue purple crystal powder		
<b>Odor</b>	Not available.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	>360C (680F)	<b>pH</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available	<b>Viscosity</b>	Not available.
<b>Partition Coefficient: n-octanol/water</b>	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available
<b>Flammability</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Miscible with water		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions.
<b>Chemical Stability</b>	Stable under proper operation and storage conditions.
<b>Hazardous Polymerization</b>	Not available.
<b>Conditions to Avoid</b>	Incompatible materials, heat, flame and spark.
<b>Incompatible Materials</b>	Not available.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11: Toxicological Information**

<b>RTECS</b>	CN0700000
<b>Acute Toxicity</b>	
LD50(Oral) : 30mg/kg(Rat) LD50(Dermal) Not available. LC50(Inhalation, 4h): Not available.	
<b>Skin Corrosion/Irritation</b>	
Not available	
<b>Serious Eye Damage/Irritation</b>	
Not available	
<b>Respiratory or Skin Sensitization</b>	
Not available	
<b>Germ Cell Mutagenicity</b>	
Not available.	
<b>Carcinogenicity</b>	
Classified 28 (Possible for human)by IARC	
<b>Reproductive Toxicity</b>	
Not available	
<b>Routes of Entry</b>	
Not available.	

**Symptoms Related to Exposure**

Not available

**Potential Health Effects**

Not available.

**Target Organ(s)**

Not available.

**Section 12: Ecological Information****Ecotoxicity**

Not available

**Persistence and Degradability**

Not available.

**Bioaccumulative Potential**

Not available

**Mobility in Soil**

Not available

**Other Adverse Effects**

Not available

**Section 13: Disposal Considerations****Waste Disposal**

Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

**Disposal of Container**

Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

**Other Considerations**

Not available

**Section 14: Transport Information****DOT Classification**

Transporting Label Skull and Crossbones 6 Marine pollutant None UN Number 3462 UN Proper Shipping Name TOXINS, EXTRACTED FROM LIVING SOURCES,SOLID,N.O.S. Transport Hazard Class 6.1 Transport Subsidiary Hazard Class NONE Packing Group II

**Section 15: Regulatory Information****Regulations**

EINECS Yes TSCA Yes DSL No IECSC No NZIoC Yes PICCS No KECI No AICS Yes ENCS No

**Other**

Not available.

**Section 16: Other Information**

The information above is believed to be accurate and represents the best information currently available to us. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Science Lab.com be liable for any claims, losses, or of a third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever if ScienceLab.com has been advised of the possibility of such damages.