

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

# SAFETY DATA SHEET

Version:  
Revision Date: 2024-10-12  
Print Date: 2024-10-12

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Mitomycin C  
Product Number : D419552  
Brand : aladdin  
CAS-No. : 50-07-7

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute oral toxicity Category 2

Carcinogenicity Category 2

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H300

Fatal if swallowed

Precautionary statement(s)

P264

Wash hands [and ...] thoroughly after handling.

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P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P330	Rinse mouth.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an approved waste disposal plant.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Synonyms	: [1aR-(1aalpha,8beta,8aalpha,8balph)]-6-Amino-8-[[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methylazirino[2',3':3,4]pyrrolo[1,2-alpha]indole-4,7-dione; 6-Amino-1,1a,2,8,8a,8b-hexahydro-8-(hydroxymethyl)-8a-methoxy-5-methylazirino[2',3':3,4]pyrrolo[1,2-alpha]indole-4,7-dione carbamate (ester) ;
Formula	: C15H18N4O5
Molecular weight	: 334.33
CAS No.	: 50-07-7
EC-NO.	: no data available

Component	Classification	Concentration
Mitomycin C	no data available	≥97%

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice

no data available

If inhaled

Remove to fresh air. If substance is ingested or inhaled by patient, do not use mouth-to-mouth method; administer artificial respiration with the aid of a pocket mask equipped with a one-way valve or other appropriate respiratory medical device. Immediate treatment required. , perform artificial respiration.

In case of skin contact

Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

In case of eye contact

Immediately flush with plenty of water for at least 15 minutes, including under the eyelids. Seek medical attention.

If swallowed

Do not induce vomiting. Call a doctor or POISON CENTER immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

no data available

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#### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical powder, anti-solvent foam.

Unsuitable extinguishing media

no data available

#### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to the release of irritating gases and vapours.

#### 5.3 Advice for firefighters

If necessary, wear self-contained breathing apparatus to fight fires.

#### 5.4 Further information

Water spray can be used to cool unopened containers.

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use required personal protective equipment. Evacuate personnel to safety. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes or clothing

#### 6.2 Environmental precautions

Avoid release to the environment.

#### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

#### 6.4 Reference to other sections

For disposal see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

For use in chemical exhaust hoods only. .Wear personal protective equipment/face protection. Avoid getting in eyes, skin or clothing. Avoid dust formation. Do not inhale (dust, vapour, mist, gas). Do not ingest. Get medical assistance immediately if swallowed.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, ventilated warehouse. Storage temperature -20°C.

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Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

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### 7.3 Specific end use(s)

no data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU) 2016 / 425 and the en 374 standard derived from it.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available

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f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties N	no data available
t) Oxidizing properties N	no data available

## 9.2 Other safety information

no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Incompatible products. Overheating. Avoid dust formation. Exposure to light

### 10.5 Incompatible materials

no data available

### 10.6 Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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Acute toxicity

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

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## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no data available

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**SECTION 13:****13.1 Disposal considerations**

Product

Recycle if possible. Please consult local authorities. It is recommended to dissolve and mix in a flammable solvent and incinerate in a chemical incinerator equipped with a post-combustion and washing device. Observe all national, regional and local regulations for disposal.

Contaminated packaging

Dispose of as unused product.

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**SECTION 14: Transport information**

DOT (US)

UN number: 2811

Packing group: II

Class: 6.1

Proper shipping name: not otherwise specified.

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: no data available

IMDG

UN number: 2811

Packing group: II

EMS-No: no data available

Proper shipping name: not otherwise specified.

IATA

UN number: 2811

Packing group: II

Class: 6.1

Proper shipping name: not otherwise specified.

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**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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**SECTION 16: Other information**

Prepared By

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

Email: QualityAssurance@aladdinsci.com

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SDS sections updated

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