

Material Safety Data Sheet



Authorization date: 08/11/2000
Revision date: 06/14/2002
Print Date: 12/13/2004
Version: 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: MITOMYCIN C
Product number: 107409
Global material number: 10107409001
Business area: Roche Applied Sciences.
Product line: Not applicable.
Instrument type: Not applicable.

Supplier:
Roche Diagnostics Corporation
9115 Hague Road
Indianapolis, IN 46250
Site Phone Number: 1-800-428-5074

Emergency telephone number:
CHEMTREC:
1-800-424-9300 (U.S. or Canada)
1-703-527-3887 (International)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component 1: Bottle 1

Components	CAS Number	Weight %	OSHA PEL:	OSHA STEL:	ACGIH TLV:	ACGIH STEL:
MITOMYCIN C	50-07-7	99-100	NA	NA	NA	NA

3. HAZARDS IDENTIFICATION

Emergency Overview

NFPA Ratings: Health= 3. Flammability= 0 Reactivity= 0 Special= T.

Special Definitions: A=Allergen CA=Carcinogen CO=Corrosive F=Flammable H=Harmful I=Irritant Ox=Oxidizer PB=Potential Biohazard R=Reproductive S=Sensitizer T=Toxic T+=Highly Toxic W=Water Reactive

Principle routes of exposure: Ingestion, inhalation, skin and/or eye contact.

Inhalation: Harmful by inhalation.

Ingestion: Toxic if swallowed.

Skin contact: None.

Eye contact: May cause slight irritation.

Sensitization: None.

Medical conditions aggravated by exposure: None known

Additional information: None

Target organ effects: The following chemical(s) have target organ effects:

4. FIRST AID MEASURES

Inhalation: Consult a physician. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin contact: Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Ingestion: Call a physician immediately. Do not induce vomiting without medical advice.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Notes to physician: None determined

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray or "alcohol" foam.
Unusual hazards:	None known.
Special protective equipment for firefighters:	In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Evacuate personnel to safe areas. Remove all sources of ignition. Avoid dust formation. Ensure adequate ventilation.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Do not let product enter drains.
Methods for cleaning up:	Never return spills in original containers for re-use. Soak up with oil absorbent material. Sweep up or vacuum (if powder) or soak up with inert absorbent material (if liquid), then place into a suitable clean, dry, closed container, and label for disposal.

7. HANDLING AND STORAGE

Handling:	Protect from contamination. Wear personal protective equipment. Can form a combustible mixture with air at pressures above atmospheric when air concentration exceeds .? % by volume.
Storage:	Keep containers dry and tightly closed to avoid moisture absorption and contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Provide appropriate exhaust ventilation at places where dust is formed.

Personal Protective Equipment

Respiratory protection:	Respiratory protection is required if dust formation with no local exhaust. If respiratory protection is needed, follow the OSHA regulation, 29CFR1910.134. Always use a NIOSH approved respirator when necessary.
Hand protection:	Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.
Skin and body protection:	Wear appropriate body protection to prevent skin contact.
Eye protection:	Wear appropriate eye protection to prevent eye contact.
Hygiene measures:	When using, do not eat, drink or smoke. Keep away from food and drink. Keep away from tobacco products. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice for diagnostics.

Exposure limit(s)

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling point/range:	No information available
Color:	Violet. Blue.
Melting point/range:	>360C
pH:	Not determined
Physical state:	Solid.
Flash point:	No information available.
LEL (%):	Not determined
UEL (%):	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	None under normal processing.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapours. Nitrogen oxides (nox).
Materials to avoid:	Incompatible with strong acids and bases. Oxidising agents (strong).

11. TOXICOLOGICAL INFORMATION

Product number: 107409

Page 2 of 4

Product name: MITOMYCIN C

Components	EPA-IRIS Oral Reference Dose (RfD) Information:	EPA-IRIS Inhalation Reference Concentration (RfC) Information:	NIOSH - Selected LD50s and LC50s:
MITOMYCIN C			= 23 mg/kg Oral LD50 Mouse = 30 mg/kg Oral LD50 Rat

Inhalation: No data available
Skin: No data available
Oral: No data available
Mutagenic effects: No data is available on the product itself
Reproductive toxicity: Personnel who are pregnant, breast feeding, or who are concerned with other reproductive issues should be encouraged to consult with the occupational health physician monitoring workers' health.

Carcinogenic effects:

Components	IARC - Group 1:	IARC - Group 2A or 2B:	IARC - Group 3 or 4:
MITOMYCIN C		Supplement 7, 1987; Monograph 10, 1976	

12. ECOLOGICAL INFORMATION

Bioaccumulation: Not determined

Aquatic toxicity: Not applicable

Ecotoxicity effects:

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

14. TRANSPORT INFORMATION

Is product hazardous to ship? Yes

DOT

Proper shipping name: Toxic solid, organic, n.o.s. (Mitomycin C)			
UN Number: UN 2811	Hazard class: 6.1	Subsidiary risk: Not applicable	Packing group: II

ICAO/IATA

Proper shipping name: Toxic solid, organic, n.o.s. (Mitomycin C)			
UN Number: UN 2811	Hazard class: 6.1	Subsidiary risk: Not applicable	Packing group: II

15. REGULATORY INFORMATION

U.S. Regulations:

U.S. TSCA/SARA/CERCLA Regulatory Information: The following chemicals are listed under the following TSCA/SARA/CERCLA lists

Components	CERCLA/SARA 302 RQ and TPQ (40 CFR 355, App.A)	CERCLA/SARA 304 RQ (40 CFR Table 302.4)	SARA 313 Emission reporting	TSCA Inventory
MITOMYCIN C	= 10,000 lb TPQ upper threshold = 500 lb TPQ lower threshold	= 10 lb final RQ = 4.54 kg final RQ		S

U.S. Clean Air Act (CAA): The following chemicals are listed under the following CAA lists

U.S. Clean Water Act (CWA): The following chemicals are listed under the following CWA lists

California Safe Drinking Water and Toxic Enforcement Act (Prop 65): The following chemicals are listed under the California Prop 65 list

Product number: 107409

Page 3 of 4

Product name: MITOMYCIN C

Components	California Proposition 65 -
MITOMYCIN C	carcinogen; initial date 4/1/88

Canadian Regulations:

Canada DSL Inventory List - This product does not comply with DSL
Canada NDSL Inventory List - This product complies with NDSL

Components	Canada - WHMIS: Classifications of Substances:
MITOMYCIN C	D1A; D2A

16. OTHER INFORMATION

Reason for revision: Not applicable
References: None.
Additional advice: None
Prepared by: Roche Diagnostics Corporation, Safety and Environmental Department, MSDS Contact: 317-521-7425

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End of Safety Data Sheet