

SAFETY DATA SHEET

SDS DATE: Mar 25, 2020

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Clarithromycin

PRODUCT CODES: Cat# B2692-50, -250

RESTRICTIONS ON USE: For laboratory research purposes. Not for drug or household use.

MANUFACTURER: BioVision, Inc.

ADDRESS: 155 S. Milpitas Boulevard, Milpitas, CA 95035

EMERGENCY PHONE: 858-373-8066

CHEMTREC PHONE:

OTHER CALLS: 408-493-1800

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Component	Description	Volume	Safety Information
Clarithromycin	Solid	B2692-50 (50 mg) B2692-250 (250 mg)	See below

SECTION 3: HAZARDS IDENTIFICATION

Product Name/Chemical Name	CAS Number	MW	Chemical Formula	Concentration
Clarithromycin	81103-11-9	747.95	C ₃₈ H ₆₉ NO ₁₃	100%

Clarithromycin:

Emergency Overview

OSHA Hazards: Target organ effect, Harmful by ingestion, Irritant, Carcinogen

Target Organs: Heart, bone marrow, blood, liver

GHS Classification:

Acute Toxicity: Oral, Category 4

GHS Label elements, including precautionary statements



Pictogram:

Signal word: Warning

Hazard statement(s):

H302: Harmful if swallowed.

Precautionary statement(s):

P264: Wash (hands) thoroughly after handling

HMIS Classification

Health hazard: 1

Chronic health hazard: *

Flammability: 0

Physical hazards: 0

NFPA Rating

Health Hazard: 2

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: Harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: Harmful if swallowed.

SECTION 4: FIRST AID MEASURES

General advice

Consult a doctor and show this safety data sheet.

If inhaled

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In case of skin contact

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Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

If swallowed

Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Hazardous combustion products: carbon dioxide, carbon monoxide, nitrogen oxides

Conditions of flammability: no data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid raising and breathing dust, and provide adequate ventilation.

Environmental precautions: Take steps to avoid release into the environment, if safe to do so.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.

Conditions for safe storage

Keep container tightly closed. Store in accordance with information listed on the product insert.

Recommended storage temperature: Store at -20°C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection NIOSH approved respirator, as conditions warrant.

Hand protection Compatible chemical-resistant gloves.

Eye protection Safety glasses

Skin and body protection Lab coat

Hygiene measures Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Clarithromycin
Appearance:	White to off-White Solid Powder
pH:	No data available
Water Solubility:	No data available
Specific Gravity (g/ml):	No data available
Boiling Point (°C):	No data available
Melting Point (°C):	No data available
Flash Point (°C):	No data available
Ignition Temperature (°C):	No data available
Density	No data available

SECTION 10: STABILITY AND REACTIVITY

Property	Clarithromycin
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid:	No data available
Materials to avoid:	strong oxidizing agents
Hazardous decomposition products:	carbon dioxide, carbon monoxide, nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

Clarithromycin:

Acute toxicity: No data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

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Germ cell mutagenicity: No data available

Carcinogenicity:

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure (GHS): no data available

Specific target organ toxicity – repeated exposure (GHS): no data available

Aspiration hazard: no data available

Potential Health Effects

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness..

Ingestion: There may be irritation of the throat.

Signs and Symptoms of Exposure: No known symptoms.

Additional information: RTECS No.: no data available

SECTION 12: ECOLOGICAL INFORMATION

Clarithromycin:

Persistence and degradability: no data available

Toxicity: No data available.

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Product: No data available

Contaminated packaging: Dispose in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Clarithromycin:

DOT (US): Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

SECTION 15: REGULATORY INFORMATION

Clarithromycin:

OSHA Hazards: Target organ effect, Highly toxic by inhalation, Irritant, Teratogen

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components: No components are subject to the New Jersey Right to Know Act

California Prop. 65 Components: Not applicable

EU regulations

Component	Risk Phrases	Safety Phrases
Clarithromycin	R26, R28, R36/37/38	S13, S45

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:

DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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