

SAFETY DATA SHEET

Cat# 2486-25G, -100G, -500G, Chloramphenicol, USP grade

SDS DATE: Jan 29, 2018

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Chloramphenicol, USP grade

PRODUCT CODES: Cat# 2486-25G, -100G, -500G

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
Chloramphenicol, USP grade	Solid	2486-25G: 25 g 2486-100G: 100 g 2486-500G: 500 g	See below

SECTION 3: HAZARDS IDENTIFICATION

Product Name/Chemical Name	CAS Number	EC-No.	Molecular Weight	Chemical Formula
Chloramphenicol, USP grade	56-75-7	200-287-4	323.13	$C_{11}H_{12}Cl_2N_2O_5$

Chloramphenicol, USP grade:

Emergency Overview

OSHA Hazards: Carcinogen, Target organ effect

Target Organ Effect: Blood, Bone marrow, Nerves, Liver

GHS Classification: Acute toxicity, Oral (Category 5)
Carcinogenicity (Category 1B)

GHS Label elements, including precautionary statements



Pictogram:

Signal word: Danger

Hazard statement(s): H303 May be harmful if swallowed.
H350 May cause cancer.

Precautionary statement(s): P201 Obtain special instructions before use.
P308+P313 IF exposed or concerned: Get medical advice/attention.

HMIS Classification

Health hazard: 1

Chronic Health Hazard: *

Flammability: 0

Physical hazards: 0

NFPA Rating

Health Hazard: 0

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

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

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

SECTION 4: FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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5: FIRE-FIGHTING MEASURES

Condition of flammability: Not flammable or combustible.

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products: Hazardous decomposition products formed under fire conditions— see section 10.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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

Methods for cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: +4 °C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chloramphenicol, USP grade:

Components	CAS-No.	Value	Control parameters	Basis
Chloramphenicol, USP grade	56-75-7	TWA	0.5 mg/m ³	USA. Workplace Environmental Exposure Levels (WEEL)

Personal protective equipment

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

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

Hygiene measures

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Chloramphenicol, USP grade
Appearance:	White to off-white solid
pH:	No data available
Water Solubility:	2.5 mg/ml
Other Solubility:	No data available
Boiling Point (°C):	No data available
Melting Point (°C):	149 °C (300 °F)
Flash Point (°C):	No data available
Ignition Temperature (°C):	No data available
Density:	No data available

SECTION 10: STABILITY AND REACTIVITY

Property	Chloramphenicol, USP grade
Chemical stability	Stable under recommended storage conditions
Conditions to avoid:	No data available
Materials to avoid:	Acids, acid chlorides, acid anhydrides, oxidizing agents
Hazardous decomposition products:	Carbon oxides, nitrogen oxides, hydrogen chloride gas

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SECTION 11: TOXICOLOGICAL INFORMATION

Chloramphenicol, USP grade:

Acute toxicity: LD50 Oral – rat – 2,500 mg/kg

LD50 Intraperitoneal – rat – 1,811 mg/kg

LD50 Intraperitoneal – mouse – 1,100 mg/kg

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity: Laboratory experiments have shown mutagenic effects.

Genotoxicity in vitro – rat – Liver → DNA damage

Genotoxicity in vivo – mouse – Intraperitoneal → Cytogenetic analysis

Carcinogenicity: This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

Possible human carcinogen.

IARC: 2A – Group 2A: Probably carcinogenic to humans (Chloramphenicol, USP grade)

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: Reasonably anticipated to be a human carcinogen (Chloramphenicol, USP grade)

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

Teratogenicity: no data available

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

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

Potential Health Effects

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

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Signs and Symptoms of Exposure: Exposure may cause nausea, headache, and/or vomiting.

Synergistic effects: no data available

Additional information: RTECS: AB6825000

SECTION 12: ECOLOGICAL INFORMATION

Chloramphenicol, USP grade:

Persistence and degradability: no data available

Toxicity: Toxicity to daphnia and other aquatic invertebrates: EC50 – Daphnia magna (Water flea) – 345 mg/l – 48 h

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: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

Chloramphenicol, USP grade:

DOT (US): UN-number: 2811, Class: 6.1, Packing group: III; Proper shipping name: Toxic solids, organic, n.o.s. (Chloramphenicol, USP grade); Marine pollutant: No; Poison inhalation hazard: No

IMDG: UN-number: 2811, Class: 6.1, Packing group: III; EMS-No: F-A,S-A; Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Chloramphenicol, USP grade); Marine pollutant: No

IATA: UN-number: 2811, Class: 6.1, Packing group: III; Proper shipping name: Toxic solid, organic, n.o.s. (Chloramphenicol, USP grade)

SECTION 15: REGULATORY INFORMATION

OSHA Hazards: Carcinogen, Target organ effect

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

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.

SARA 311/312 Hazards: Chronic Health Hazard

Massachusetts Right To Know Components: Chloramphenicol, USP grade, CAS-No. 56-75-7; Revision Date: 1989-12-01

Pennsylvania Right To Know Components: Chloramphenicol, USP grade, CAS-No. 56-75-7; Revision Date: 1989-12-01

New Jersey Right To Know Components: Chloramphenicol, USP grade, CAS-No. 56-75-7; Revision Date: 1989-12-01

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California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

EU regulations

Component	Risk Phrases	Safety Phrases
Chloramphenicol, USP grade	R45	S45, S53

SECTION 16: OTHER INFORMATION

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.