DALYNN BIOLOGICALS

SAFETY DATA SHEET

Version 1.5
Revision Date 02/07/2024

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Chloramphenicol Supplement
Catalog Number:	LC55
Product Use:	For laboratory use only
Manufacturer's Name:	Dalynn Biologicals Inc.
Supplier's Name:	Dalynn Biologicals Inc.
Address:	3253 – 34 Avenue NE Calgary, AB, Canada T1Y 6X2
Telephone:	1-888-404-4045
Fax:	(403) 250-9010
Chemical Emergency: Phone Number Only	1-613-996-6666

2. HAZARD IDENTIFICATION

Emergency Overview

GHS Classification

Acute toxicity, Oral (Category 5)
Carcinogenicity (Category 2)

GHS Label Elements, Including Precautionary Statements

Pictogram

Signal word	Warning

Hazard statement(s)

H303	May be harmful if swallowed.
H351	Suspected of causing cancer.

Precautionary statement(s)

P233	Keep container tightly closed
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves & clothing/ eye protection/ face protection.
P302+P352	If on skin: Wash with plenty of water.
P312	Call a poison center/doctor if you feel unwell.
P501	Dispose of contents / container to an approved waste disposal plant.

3. COMPOSITION & INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS-No.	EC-No.	Index-No.
Chloramphenicol	100	56-75-7	200-287-4	-

4. FIRST AID MEASURES

General advice
If feeling unwell, consult a physician. Show this safety data sheet to the doctor in attendance. Move affected individual out of affected 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 affected area with soap and plenty of water. If feeling unwell, consult a physician.

In case of eye contact
Flush eyes with plenty of water for 15 minutes. If feeling unwell, consult a physician.

In swallowed
Rinse mouth with water if patient is conscious. If feeling unwell, consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Flammable when exposed to open flame.

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

Special protective equipment for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions: carbon oxides, nitrogen oxides, hydrogen chloride gas

Explosion data – sensitivity to mechanical impact
No.

Explosion data – sensitivity to static discharge
No.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing in dust.

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

Methods and materials for containment and cleaning up
Wearing appropriate safety gear including chemical resistant gloves and dust mask or respirator. Sweep up carefully minimizing dust creation. Place in sealed container and hold for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use in area with adequate ventilation, provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage
Store at refrigerated conditions at 2 to 8°C away from direct light or sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection
Use in area with adequate ventilation. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN143) respirator cartridges as a backup to engineering controls. 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 after use.

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

Skin and body protection
Wear appropriate clothing such as a lab coat that covers as much of the body as possible. Complete suit can also be worn if desired.

Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Powder
Color	off white to light yellow

Safety data

pH	No data available
Melting point/ freezing point	148 – 150°C (298 - 302°F)

Boiling point	No data available
Flash point	No data available
Ignition temperature	No data available
Auto ignition temperature	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Density	No data available
Water solubility	Insoluble
Partition coefficient/ n-octanol/water	No data available
Relative vapor density	No data available
Odour	No data available
Odour threshold	No data available
Evaporation rate	No data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
No data available.

Chemical stability
No data available.

Materials to avoid
Strong oxidizing agents, strong acids, acid chlorides, acid anhydrides

Hazardous decomposition products
Other decomposition products – No data available
Hazardous decomposition products formed under fire conditions – Carbon oxides, nitrogen oxides, hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral – Rat 2,500 mg/kg

Inhalation LC50
No data available

Dermal LD50
No data available

Other information on acute toxicity
LD50 Intraperitoneal – Rat 1,811 mg/kg
LD50 Intraperitoneal – Mouse 1,100 mg/kg

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitization
May cause allergic skin reaction.

Mutagenic effects
Lab experiments on animals have shown mutagenic effects.
Not mutagenic in AMES test.

Carcinogenicity
This table below indicates whether each agency has listed any ingredient as a carcinogen

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Chloramphenicol	56-75-7	Group 2A	Reasonably Anticipated	Not listed	X	Not listed

IARC: (International Agency for Research on Cancer)

NTP: (National Toxicity Program)

ACGIH: (American Conference of Governmental Industrial Hygienists)

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans Group
2A - Probably Carcinogenic to Humans Group
2B - Possibly Carcinogenic to Humans
NTP: (National Toxicity Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
ACGIH: (American Conference of Governmental Industrial Hygienists)
A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen

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)
Inhalation – May cause respiratory irritation

Aspiration hazard
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
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
No data available

Additional information
RTECS: AB6825000

12. ECOLOGICAL INFORMATION

Toxicity
No data available. Do not empty into drains.

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

PBT and vPvB assessment
No data available

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a 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.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by them.

16. OTHER INFORMATION

Further information

 The above information is believed to be correct but does not purport to be all inclusive and shall be only used 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. Dalynn Biologicals Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.