
1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Carbol Fuchsin Counterstain (Methylene Blue)
Catalog Number: SC27
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: 1-613-996-6666
Phone Number Only

2. HAZARD IDENTIFICATION**Emergency Overview****GHS Classification**

None

GHS Label Elements, Including Precautionary Statements

Pictogram No Symbol

Signal word None

Precautionary statement(s)

P233 Keep container tightly closed
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P301+P312+P330 If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.
P362 Take off contaminated clothing and wash before reuse.

Potential Health Effects**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.**Skin** Stains skin may cause skin irritation.**Eyes** May cause eye irritation.**Ingestion** May be harmful if swallowed.

3. COMPOSITION & INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS-No.	EC-No.	Index-No.
Methylene blue	0.3	7220-79-3	200-515-2	-
Water	99	7732-18-5	231-791-2	-

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

Non-flammable, main component is water.

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, sulfur 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 gloves. Ensure adequate ventilation.

Environmental precautions

None.

Methods and materials for containment and cleaning up

Wearing appropriate safety gear including chemical resistant gloves, soak up with paper towel. Place in sealed bag and discard with regular waste.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear gloves and avoid contact with skin and eyes. Use in area with adequate ventilation.

Conditions for safe storage

Store at room temperature 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	Liquid
Color	Blue

Safety data

pH	No data available
Melting point/ freezing point	No data available
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	Soluble
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.

Hazardous decomposition products

Other decomposition products – No data available

Hazardous decomposition products formed under fire conditions – Carbon oxides, nitrogen oxides, sulfur oxides, hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50

LD50 Oral – Rat 1,180 mg/kg (methylene blue)

Inhalation LC50

No data available

Dermal LD50

No data available

Other information on 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

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 probable, possible or confirmed human carcinogen by ACGIH.

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 Stains 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

None

12. ECOLOGICAL INFORMATION**Toxicity**

No data available

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**

Can be washed down sink or discarded with regular waste.

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 Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. OTHER INFORMATION**Further information**

Copyright 2019 Dalynn Biologicals Inc. 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.