

---

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Malachite Green Spore Stain  
Catalog Number: SM25  
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**

Acute toxicity, Oral (Category 5)  
Serious eye damage (Category 1)  
Acute aquatic toxicity (Category 2)

**GHS Label Elements, Including Precautionary Statements**

Pictogram



Signal word            Danger

Hazard statement(s)

H303            May be harmful if swallowed.  
H313            May be harmful in contact with skin.  
H318            Causes serious eye damage.  
H401            Toxic to aquatic life.

Precautionary statement(s)

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.  
P305+P351+P338    If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

---

### 3. COMPOSITION & INFORMATION ON INGREDIENTS

Synonyms                      None

| INGREDIENT              | %  | CAS-No.   | EC-No.    | Index-No. |
|-------------------------|----|-----------|-----------|-----------|
| Malachite green oxalate | 5  | 2437-29-8 | 219-441-7 | -         |
| Water                   | 95 | 7732-18-5 | 231-791-2 | -         |

---

### 4. FIRST AID MEASURES

#### General advice

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

Take off contaminated clothing. 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 at least 15 minutes. If feeling unwell, consult a physician.

#### If swallowed

Do not induce vomiting. Rinse mouth with water if patient is conscious. If conscious, give a glass of water to dilute stomach contents. If feeling unwell, consult a physician.

---

### 5. FIREFIGHTING MEASURES

#### Conditions of flammability

Low flammability as the 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 dioxides, nitrogen oxides

#### Explosion data – sensitivity to mechanical impact

Not sensitive to mechanical impact

#### Explosion data – sensitivity to static discharge

Not sensitive to static discharge

---

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.



|   |                   |
|---|-------------------|
| pH  | No data available |
| Melting point/<br>freezing point          | 0°C (32°F)        |
| Boiling point                             | 100°C (212°F)     |
| 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                          | 100% soluble      |
| Partition coefficient/<br>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

Stable if stored as recommended.

### 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

---

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Oral LD50

LD50 Oral - rat - 275 mg/kg

Remarks: Behavioral: Change in motor activity (specific assay). Gastrointestinal: Diarrhoea, other changes.

**Inhalation LC50**

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)**

No data available

**Aspiration hazard**

No data available

**Potential health effects****Inhalation**

May be harmful if inhaled. Causes respiratory tract irritation.

**Skin**

May be harmful if absorbed through skin. Will stain skin green and may cause skin irritation

**Eyes**

Causes eye irritation.

**Ingestion**

Toxic if swallowed in large quantities, but given the diluted nature of this product

---

**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: Not available

---

**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

**Other adverse effects**

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)**

UN Number: 2810    Class: 6.1    Packing Group: III

Proper Shipping Name: Toxic, liquids, organic, NOS Malachite Green Solution

Reportable Quantity (RQ):

Marine Pollutant: No

Poison Inhalation Hazard: No

**IMDG**

UN Number: 2810    Class: 6.1    Packing Group: III    EMS-No: F-A, S-A

Proper Shipping Name: Toxic, liquids, organic, NOS Malachite Green Solution

Marine Pollutant: No

**IATA**

UN Number: 2810    Class: 6.1    Packing Group: III

Proper Shipping Name: Toxic, liquids, organic, NOS Malachite Green Solution

---

**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**

Copyright 2018 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.

---