

---

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Glycerol  
Catalog Number: BG50  
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****GHS Classification**

Not a hazardous substance or mixture.

**GHS Label Elements, Including Precautionary Statements**

None

---

**3. COMPOSITION & INFORMATION ON INGREDIENTS**

Synonyms Glycerin

INGREDIENT	%	CAS-No.	EC-No.	Index-No.
Glycerol	100	56-81-5	200-289-5	-

---

**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 as a precaution. 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. May be flammable if subjected to an 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

### 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 gloves when cleaning up spill.

### Environmental precautions

Can be washed down the sink safely. No environmental precautions are required.

### Methods and materials for containment and cleaning up

Wearing gloves soak up with paper towel and discard with regular garbage.

---

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Use in area with adequate ventilation.

### Conditions for safe storage

Store at room temperature tightly sealed.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS-No.	Value	Control parameters	Basis
Glycerol	56-81-5	TWA	10 mg/m <sup>3</sup>	Canada. Alberta. Occupational Health and Safety Code (table 2:OEL)
		TWA	10 mg/m <sup>3</sup>	Canada. British Columbia OEL
		TWA	3 mg/m <sup>3</sup>	Canada. British Columbia OEL
		TWAEV	10 mg/m <sup>3</sup>	Canada. Ontario OELs
		TWAEV	10 mg/m <sup>3</sup>	Canada. Quebec. Regulation respecting occupational health and safety, schedule 1, Part 1
		TWA	10 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)

## Personal protective equipment

### Respiratory protection

Use in area with adequate ventilation.

### 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

None required but face shield and/or safety glasses can be used if desired. 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.

### Hygiene measures

Wash hands before breaks and immediately after handling the product.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	Liquid
Color	Clear to light yellow

### Safety data

pH	5.5 to 8
Melting point/ freezing point	20°C (68°F)
Boiling point	182°C (360°F)
Flash point	160°C (320°F) – closed cup
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	0.0033 hPa (0.0025 mmHg) at 50°C (122°F)
Relative density	1.25 g/mL
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

Stable if stored as recommended.

### Materials to avoid

Strong oxidizing agents, strong bases

### Hazardous decomposition products

Other decomposition products – No data available

Hazardous decomposition products formed under fire conditions – Carbon oxides

---

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Oral LD50

LD50 Oral - Rat – 12,600 mg/kg

#### Inhalation LC50

No data available

#### Dermal LD50

LD50 Dermal - Rabbit – >10,000 mg/kg

### 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**

No negative health effects are expected on exposure

**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)**

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**

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.

---