



# SAFETY DATA SHEET

Issue Date 01-Oct-2012

Revision Date 27-Sep-2012

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Emerald Gel Color

### Other means of identification

**Product Code** 58103

### Recommended use of the chemical and restrictions on use

**Recommended Use** Coloring agent.

**Uses advised against** No information available.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Saffire Blue inc.  
1444 Bell Mill Side Road  
Tillsonburg, ON N4G 4G9  
Canada

### Emergency telephone number

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Clear liquid with yellow tint

**Physical state** liquid

**Odor** Characteristic

### **Hazards not otherwise classified (HNOC)**

Not Applicable

### Other Information

Not Applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Glycerol	56-81-5	99.0	*
FD&C Green 5	4548-53-2	0.5	*
FD&C Yellow 5	1934-21-0	0.5	*

### 4. FIRST AID MEASURES

#### First aid measures

<b>Inhalation</b>	Not an expected route of exposure. Remove to fresh air. Administer oxygen if breathing is difficult. Seek immediate medical attention/advice.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. (Call a physician if irritation persists.).
<b>Ingestion</b>	Product is non-toxic. Do NOT induce vomiting.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

#### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### **Suitable Extinguishing Media**

Procedures for an oil fire should be followed. Use foam or dry chemical. Water may be used ONLY to keep surrounding containers cool.

**Unsuitable Extinguishing Media** Water.

#### **Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products** Carbon and hydrogen oxides.

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required.

**For emergency responders** Remove all sources of ignition.

**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

<b>Advice on safe handling</b>	Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Never pierce, drill, grind, cut, saw or weld any container. NFPA Class IIIB storage. Wash thoroughly after handling.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep from freezing. If product freezes, allow to thaw completely prior to use.
<b>Incompatible materials</b>	Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	-

**Appropriate engineering controls**

<b>Engineering Controls</b>	Apply technical measures to comply with the occupational exposure limits.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Goggles. Eye wash bottle.
<b>Skin and body protection</b>	Wear protective gloves and protective clothing.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
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**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Clear liquid with yellow tint	<b>Odor threshold</b>	Not determined
<b>Color</b>	yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not determined	
<b>Melting point/freezing point</b>	Not determined	
<b>Boiling point/boiling range</b>	>350°F	
<b>Flash point</b>	320°F	
<b>Evaporation rate</b>	Not determined	
<b>Flammability (solid, gas)</b>	Not determined	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limits</b>	Not determined	
<b>Lower flammability limit</b>	Not determined	
<b>Vapor pressure</b>	Not determined	
<b>Vapor density</b>	Not determined	
<b>Specific Gravity</b>	1.261	
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition coefficient</b>	Not determined	
<b>Autoignition temperature</b>	Not determined	
<b>Decomposition temperature</b>	Not determined	
<b>Kinematic viscosity</b>	Not determined	
<b>Dynamic viscosity</b>	Not determined	
<b>Explosive properties</b>	Not determined	
<b>Oxidizing properties</b>	Not determined	

**Other Information****10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions

**Chemical stability**

Stable under normal conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Carbon and hydrogen oxides.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information

**Inhalation**

No known effect based on information supplied.

**Eye contact**

May cause slight irritation.

**Skin Contact**

No known hazard in contact with skin.

**Ingestion**

Product is non-toxic.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerol 56-81-5	12600 mg/kg ( Rat )	>21900 mg/kg ( Rat )	-

**Information on physical, chemical and toxicological effects****Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity- Product**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

0.5% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerol 56-81-5		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static		>500: 24 h Daphnia magna mg/L EC50

**Persistence and degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

Chemical Name	Partition coefficient
Glycerol 56-81-5	0

**Other adverse effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

#### **Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances IECSC*

*- China Inventory of Existing Chemical Substances KECL -*

*Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

### SARA 311/312 Hazard Categories

### US State Regulations

### U.S. State Right-to-Know Regulations

### U.S. EPA Label Information

## 16. OTHER INFORMATION

<u>NFPA</u>	Health hazards	Flammability	Instability	Special Hazards
	1	1	0	-
<u>HMIS</u>	Health hazards	Flammability	Physical hazards	Personal protection
	1	1	0	-

**Issue Date** 01-Oct-2012

**Revision Date** 27-Sep-2012

#### **Revision Note**

New format

#### **Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**