SAFETY DATA SHEET

Issue Date 01-Oct-2012 **Revision Date** 27-Sep-2012 **Version** 1

1. IDENTIFICATION

Product Identifier

Product Name Bright Blue Gel Color

Other means of identification

Product Code 58100

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	99.5	*
FD&C Blue 1	3844-45-9	0.5	*

4. FIRST AID MEASURES

First aid measures

Inhalation Not an expected route of exposure. Remove to fresh air. Administer oxygen if breathing is difficult. Seek immediate medical attention/advice.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. (Call a physician if irritation persists.).

Ingestion Product is non-toxic. Do NOT induce vomiting.

Skin Contact 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

Methods for containment 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).

Methods for cleaning up Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling 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.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep from freezing. If product freezes, allow to thaw completely prior to use.

Incompatible materials 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/m³ mist	TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction (vacated) TWA: 10 mg/m³ mist, total particulate (vacated) TWA: 5 mg/m³ mist, respirable fraction	-

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Goggles. Eye wash bottle.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection 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.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid		
Appearance	Clear liquid with yellow tint	**Odor**	Characteristic
Color	yellow	**Odor threshold**	Not determined

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

NFPA	**Health hazards**	**Flammability**	**Instability**	**Special Hazards**
	1	1	0	-
HMIS	**Health hazards**	**Flammability**	**Physical hazards**	**Personal protection**
	1	1	0	-

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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