



SAFETY DATA SHEET

Issue Date 01-Oct-2012

Revision Date 27-Sep-2012

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Aqua Gel Color

Other means of identification

Product Code 58112

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 Green 5 | 4403-90-1 | 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

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|---------------------------------|--|
| Personal precautions | Use personal protective equipment as required. |
| For emergency responders | Remove all sources of ignition. |

Methods and material for containment and cleaning up

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|--------------------------------|---|
| 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**

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|--------------------------------|---|
| 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

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|-------------------------------|--|
| 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/m ³ mist | TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction | - |

Appropriate engineering controls

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

Individual protection measures, such as personal protective equipment

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|---------------------------------|---|
| 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 | Odor | Characteristic |
| Appearance | Clear liquid with yellow tint | Odor threshold | Not determined |
| Color | yellow | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|------------------|-------------------------|
| 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 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 | - |

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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