

# Safety Data Sheet



Revision Date 02-Aug-2013  
Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Dye Stabilizer and Rinse  
**Product code** LG-F1156 101-74-A  
**Recommended Use** Acid

**Supplier** Sapphire Scientific  
2604 Liberator  
Prescott, AZ 86301  
Phone: (928) 445-3030

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

## 2. Hazards identification

### Emergency Overview

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

### Potential Health Effects

#### Acute toxicity

**Eyes** May cause slight irritation.

**Skin** No known effect based on information supplied.

**Inhalation** No known effect based on information supplied.

**Ingestion** No known effect based on information supplied.

**Chronic Effects** No known effect based on information supplied.

**Aggravated Medical Conditions** None known.

**Environmental hazard** See Section 12 for additional Ecological Information.

## 3. Composition/information on ingredients

### Hazardous Components

Chemical Name	CAS-No	Weight %
GLYCOLIC ACID	79-14-1	1-10

## 4. First aid measures

**General advice** When symptoms persist or in all cases of doubt seek medical advice.

**Eye contact** Remove contact lenses. Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.

<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Use a mild soap if available.
<b>Inhalation</b>	Move to fresh air. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention.
<b>Notes to physician</b>	Treat symptomatically.

### 5. Fire-fighting measures

<b>Flammable Properties</b>	Not flammable.
<b>Flash point</b>	Not determined.
<b>Suitable extinguishing media</b>	Use water spray, fog, Carbon dioxide (CO <sub>2</sub> ), foam or dry chemical.
<b>Unsuitable Extinguishing Media</b>	High volume water jet.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental release measures

<b>Personal precautions</b>	Ensure adequate ventilation. Use personal protective equipment.
<b>Environmental precautions</b>	Prevent product from entering drains. Do not allow material to contaminate ground water system.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Pick up and transfer to properly labeled containers.

### 7. Handling and storage

<b>Advice on safe handling</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas.
<b>Technical measures/Storage conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from frost.

### 8. Exposure controls/personal protection

<b>Exposure Guidelines</b>	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Hand Protection</b>	Protective gloves
<b>Eye/Face Protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No special protective equipment required.

**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.

**Hygiene measures**

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear liquid
<b>Odor</b>	Mild
<b>Color</b>	colorless

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>	<1	
<b>Boiling point/boiling range</b>		
<b>Flash Point</b>		
<b>Evaporation rate</b>	no data available	
<b>Explosion Limits</b>		
<b>upper</b>		
<b>lower</b>		
<b>Vapor pressure</b>	no data available	
<b>Vapor density</b>	no data available	
<b>Specific Gravity</b>	1.01	
<b>Viscosity, kinematic</b>	no data available	
<b>Water solubility</b>	no data available	
<b>Partition coefficient: n-octanol/water</b>	no data available	
<b>Explosive properties</b>	no data available	

**Other information**

**Volatile organic compounds (VOC) content** Negligible

**Melting/freezing point**

## 10. Stability and reactivity

<b>Stability/Reactivity</b>	Stable under normal conditions.
<b>Incompatible products</b>	None known based on information supplied.
<b>Conditions to Avoid</b>	Protect from frost, heat and sunlight.
<b>Hazardous Decomposition Products</b>	None known.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. Toxicological information

**Acute toxicity**

**Product Information** The product itself has not been tested.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
GLYCOLIC ACID	1950 mg/kg ( Rat )		7.7 mg/L ( Rat ) 4 h

**Chronic toxicity**

**Chronic toxicity** No information available

**Target Organ Effects** None known.

## 12. Ecological information

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms	Toxicity to other organisms
GLYCOLIC ACID		LC50: 96 h Brachydanio rerio 5000 mg/L static			

**Persistence and degradability** No information available.

**Bioaccumulation** .

**Mobility** No information available.

Chemical Name	log Pow
GLYCOLIC ACID	-1.11

**Other adverse effects** Discharge into the environment must be avoided.

## 13. Disposal considerations

**Waste Disposal Methods** 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** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

**DOT** Not regulated

**MEX** Not regulated

## 15. Regulatory information

**International Inventories**

**TSCA** Complies

<b>DSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU 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  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals  
"- " - Unknown. Not listed.

### **U.S. Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### **U.S. State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

#### **International Regulations**

##### **Canada**

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.**

#### **WHMIS Hazard Class**

Non-controlled

**16. Other information**

<b>NFPA</b>	Health Hazard 0	Flammability 0	Stability/Reactivity 0	Physical and chemical hazards -
<b>HMIS</b>	Health Hazard 0	Flammability 0	Physical Hazard 0	Personal protection -

**Prepared By** No information available

**Revision Date** 02-Aug-2013

**Revision Note** No information available.

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Material Safety Data Sheet**