



Issuing Date 9/11/2012

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** GLYCINE SOLUTION

**Product Code(s)** 6811

**Synonyms** none

**Recommended Use** Test kit reagent. Laboratory chemicals. Industrial (not for food or food contact use).

**Company** LaMotte Company, Inc.  
802 Washington Avenue  
P.O. Box 329  
Chestertown, MD 21620  
USA

**Emergency Telephone Number** 24 Hour Emergency Number (CHEM-TEL):  
USA, Canada, Puerto Rico 1-800-255-3924  
Outside North American Continent (Call collect) 813-248-0585

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**Appearance** Clear, colorless **Physical State** Liquid **Odor** None

**OSHA Regulatory Status** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Potential Health Effects**

**Principle Routes of Exposure** Skin contact.

**Acute Toxicity**

**Eyes** May cause slight irritation.  
**Skin** Substance may cause slight skin irritation.  
**Inhalation** Not an expected route of exposure.  
**Ingestion** Expected to be a low ingestion hazard.

**Chronic Effects**

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Kathon CG/ICP Preservative	KATHON	0.05
Glycine	56-40-6	10
Water	7732-18-5	to 100%

## 4. FIRST AID MEASURES

**General Advice** Do not get in eyes, on skin, or on clothing.

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists or develops, contact a physician.
<b>Skin Contact</b>	Wash skin with soap and water. If irritation develops or persists, consult physician.
<b>Inhalation</b>	Not expected to require first aid measures. Move to fresh air.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. If symptoms persist or develop contact physician.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Protection of First-aiders</b>	Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

## 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not a fire hazard.			
<b>Flash Point</b>	Not applicable			
<b>Suitable Extinguishing Media</b>	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam.			
<b>Explosion Data</b>				
<b>NFPA</b>	<b>Health Hazard</b> 0	<b>Flammability</b> 0	<b>Stability</b> 0	<b>Physical and Chemical Hazards</b> -
<b>HMIS</b>	<b>Health Hazard</b> 0	<b>Flammability</b> 0	<b>Stability</b> 0	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Refer to Section 8.
<b>Methods for Containment</b>	Soak up with inert absorbent material, containerize, and hold for disposal. Dispose according to local regulations, if permitted dissolve in water and rinse to drain.
<b>Methods for Cleaning Up</b>	If local regulations permit, rinse to drain with excess water. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not ingest. Do not eat, drink, or smoke when using this product.
<b>Storage</b>	Keep tightly closed in a dry and cool place. Keep away from direct sunlight. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Kathon CG/ICP Preservative KATHON	None Known	None Known	None Known
Glycine 56-40-6	None Known	None Known	None Known
Water 7732-18-5	None Known	None Known	None Known

### Personal Protective Equipment

<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and Body Protection</b>	Protective gloves.
<b>Respiratory Protection</b>	None required under normal usage. Maintain adequate ventilation.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, colorless	<b>Odor</b>	None
<b>Physical State</b>	Liquid	<b>pH</b>	6
<b>Flash Point</b>	Not applicable	<b>Boiling Point/Range</b>	> 100°C/212°F
<b>Melting point/range</b>	Not applicable		

<b>Vapor Pressure</b>	No information available	<b>Vapor Density</b>	No information available
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## 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions of use and storage.

**Incompatible Products** Strong oxidizing agents.

**Conditions to Avoid** None known based on information supplied.

**Hazardous Decomposition Products** Carbon oxides (COx). Nitrogen oxides (NOx).

**Hazardous Polymerization** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

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

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Kathon CG/ICP Preservative	None Known	None Known	None Known
Glycine	7930 mg/kg ( Rat )	None Known	None Known
Water	90 mL/kg ( Rat )	None Known	None Known

**Chronic Toxicity**

**Carcinogenicity** Contains no ingredient listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Kathon CG/ICP Preservative	None Known	None Known	None Known	None Known
Glycine	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

**Reproductive Toxicity** This product does not contain any known or suspected reproductive hazards.

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Kathon CG/ICP Preservative	None Known	None Known	None Known
Glycine	None Known	None Known	None Known
Water	None Known	None Known	None Known

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

At the concentration present, this preparation is not expected to present significant adverse environmental effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Kathon CG/ICP Preservative	None Known	None Known	None Known	None Known
Glycine	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known

**Persistence and Degradability** No information available.

**Bioaccumulation/Accumulation** No information available.

Chemical Name	Log Pow
Kathon CG/ICP Preservative	None Known
Glycine	None Known
Water	None Known

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Kathon CG/ICP Preservative - KATHON	None Known	None Known	None Known	None Known
Glycine - 56-40-6	None Known	None Known	None Known	None Known
Water - 7732-18-5	None Known	None Known	None Known	None Known

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Kathon CG/ICP Preservative KATHON ( 0.05 )	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Glycine 56-40-6 ( 10 )	Present	X	X	9-77	X	KE-01153	X	X
Water 7732-18-5 ( to 100% )	Present	X	X	ENCS	X	KE-35400	X	X

**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.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Kathon CG/ICP Preservative	KATHON	0.05	None Known
Glycine	56-40-6	10	None Known
Water	7732-18-5	to 100%	None Known

**SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	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).

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Kathon CG/ICP Preservative KATHON ( 0.05 )	None Known	None Known	None Known	None Known
Glycine 56-40-6 ( 10 )	None Known	None Known	None Known	None Known
Water 7732-18-5 ( to 100% )	None Known	None Known	None Known	None Known

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:.

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Kathon CG/ICP Preservative	KATHON	0.05	None Known	None Known	None Known	None Known
Glycine	56-40-6	10	None Known	Group II	None Known	None Known
Water	7732-18-5	to 100%	None Known	None Known	None Known	None Known

**CERCLA**

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Kathon CG/ICP Preservative	None Known	None Known
Glycine	None Known	None Known
Water	None Known	None Known

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	CAS-No	California Prop. 65
Kathon CG/ICP Preservative	KATHON	None Known
Glycine	56-40-6	None Known
Water	7732-18-5	None Known

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

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Kathon CG/ICP Preservative	None Known	None Known	None Known	None Known	None Known
Glycine	None Known	None Known	None Known	None Known	None Known
Water	None Known	None Known	None Known	None Known	None Known

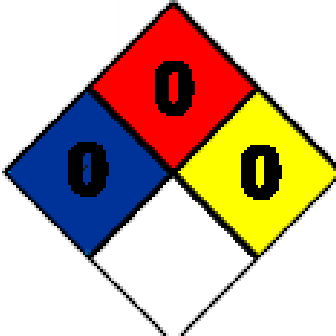

**International Regulations****Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Kathon CG/ICP Preservative	None Known	None Known
Glycine	None Known	None Known
Water	None Known	None Known

## Canada

Component	WHMIS Hazard Class
Kathon CG/ICP Preservative KATHON ( 0.05 )	Not determined
Glycine 56-40-6 ( 10 )	Uncontrolled product according to WHMIS classification criteria
Water 7732-18-5 ( to 100% )	Uncontrolled product according to WHMIS classification criteria

## 16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table><tr><td>Health Hazard</td><td>0</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	0	Fire Hazard	0	Reactivity	0		
Health Hazard	0								
Fire Hazard	0								
Reactivity	0								

Prepared By

Issuing Date

Revision Date

Revision Note

Disclaimer

Regulatory Affairs Department

9/11/2012

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Initial Release.

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 MSDS