

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier - Labeling according to Regulations (EC) No 1272/2008**

Product Code(s) 6811
Product name GLYCINE SOLUTION

Synonyms none
Substance or Preparation Preparation

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Use as a laboratory reagent
Laboratory chemicals
Industrial (not for food or food contact use)

1.3. Details of the supplier of the safety data sheet

Manufacturer Address
LaMotte Company, Inc.
802 Washington Avenue
P.O. Box 329
Chestertown, MD 21620 USA
T 410-778-3100
F 410-778-9748

Contact for timely inquiries in regards to this product:

Person Regulatory Affairs Department
E-mail address system@lamotteco.com

1.4. 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

Section 2: HAZARD(S) IDENTIFICATION**2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

Symbol(s)
Not dangerous

2.2. Label elements - EU (§28, 1272/2008)

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Pictogram(s)**Signal word** None**Hazard statements** None**Precautionary statements**

P264 - Wash face, hands and any exposed skin thoroughly after handling. P280 - Wear eye protection/ face protection. P403 + P235 - Store in a well-ventilated place. Keep cool. P103 - Read label before use. P102 - Keep out of reach of children.

2.3. Other hazards

None known

Section 3: COMPOSITION/ INFORMATION OF INGREDIENTS***3.1 Substances**

Not Applicable

3.2 Mixtures

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

Section 4: FIRST AID MEASURES**4.1. Description of first aid measures**

General advice	Do not get in eyes, on skin, or on clothing.
Inhalation	Not expected to require first aid measures. Remove to fresh air.
Skin contact	Wash skin with soap and water. If irritation develops or persists, consult physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists or develops, contact a physician.
Ingestion	Drink 1 or 2 glasses of water. If symptoms persist or develop contact physician.
Self-protection of the first aider	Use personal protective equipment. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed

None known

Treat symptomatically.

Section 5: FIREFIGHTER MEASURES**5.1. Extinguishing media****Suitable extinguishing media** Water spray, dry chemical, carbon dioxide (CO₂), or foam.**5.2. Special hazards arising from the substance or mixture**

Specific hazards arising from the chemical No information available

5.3. Advice for firefighters

Special protective equipment for firefighters As in any fire, wear self-contained breathing apparatus and full protective gear

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions See section 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment 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.

Methods for cleaning up If local regulations permit, rinse to drain with excess water. After cleaning, flush away traces with water.

6.4. Reference to other sections

For disposal see section 13.

Methods for Containment and Clean Up Pick up and transfer to properly labelled containers.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and clothing. Do not taste or swallow. Do not eat, drink, or smoke when using this product.

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage Keep tightly closed in a dry and cool place. Keep away from direct sunlight. Keep out of the reach of children.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration No information available.

(PNEC)

8.2. Exposure controls

Engineering Measures	Showers Eyewash stations Ventilation systems Ensure adequate ventilation, especially in confined areas
Personal protective equipment	
Eye/Face Protection	Wear safety glasses with side shields (or goggles).
Hand protection	Rubber/latex/neoprene or other suitable chemical resistant gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure. Wear nitrile gloves.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Environmental exposure controls	No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state	liquid	Odor	None
Appearance	Clear, colorless		
Property	Values	Remarks • Method	
pH	6		
Melting point / freezing point		No information available	
Boiling point / boiling range		No information available	
Flash point		No information available	
Evaporation rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limit in Air			
Upper	Not applicable		
Lower	Not applicable		
Vapor pressure	<17 mmHg @ 20°C	No information available	
Vapor density		No information available	
Specific gravity		No information available	
Water solubility		No information available	
Solubility in other solvents		No information available	
Partition coefficient		No information available	
Autoignition temperature		No information available	
Decomposition temperature		No information available	
Kinematic viscosity		No information available	
Dynamic viscosity		No information available	
Explosive properties		No information available	
Oxidizing properties		No information available	

9.2. Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Hazardous polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing

10.4. Conditions to avoid

None known based on information supplied.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (COx). Nitrogen oxides (NOx).

Section 11: TOXICOLOGICAL INFORMATION
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11.1. Information on toxicological effects

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

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 79,300.00 mg/kg

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Sensitization No information available.

Mutagenic effects No information available.

Carcinogenic effects No information available.

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

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Unknown Aquatic Toxicity 10.05 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Dispose of waste product or used containers according to local regulations.

Contaminated packaging Do not reuse empty containers.

Section 14: TRANSPORT INFORMATION

IMDG/IMO Not regulated

14.1
14.2
14.3
14.4
14.5

RID

14.1
14.2
14.3
14.4

ADR Not regulated

14.1
14.2
14.3
14.4
14.5

IATA Not regulated

14.1
14.2
14.3
14.4

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Germany None

Water contaminating class
(Netherlands) None

Switzerland Poison Classification None

European Union None

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

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

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

Section 16: ANY OTHER RELEVANT INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Text of R phrases mentioned in Section 3

No information available

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

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Recommendations on Use Laboratory chemicals Industrial (not for food or food contact use) Restricted to professional users

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided on this SDS 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 Safety Data Sheet