# Safety Data Sheet

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## 1. IDENTIFICATION

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|---|---|
| Product: Glycine Buffer, 602198.901 | MSDS #: 901518.001 |
| Product Use: For laboratory use only. | Date: Rev A, June 12, 2015 |

## 2. HAZARDS IDENTIFICATION:

Not classified as hazardous per GHS and OSHA. Not dangerous according to the criteria set by the European Union (EU); not listed in Table 3.1 Annex VI of regulation 1272/2008/EU, as amended. The product is not hazardous in the form in which it is placed on the market and under the normal and recommended conditions of storage and use.

The small quantities supplied in our products are unlikely to cause severe or immediate health effects. Use only as directed and in accordance with safe laboratory practices.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS:

| | | | | EXPOSURE LIMITS | | |
|---|---|---|---|---|---|---|
| CHEMICAL INGREDIENT NAME | CAS NUMBER | EC NUMBER | % by Weight | OSHA | ACGIH | EU IOELV |
| Glycine | 56-40-6 | 200-272-2 | <1% | NA | NA | NA |

Notes: Product is a solution of water and < 1% glycine ( a common amino acid) and is used to verify TAI instrument performance by providing a null signal. It is provided in a kit containing six 8 ml bottles,

## 4. FIRST AID MEASURES:

Inhalation: Remove to fresh air.
Skin Contact: Flush with water.
Eye Contact: Immediately flush with water for a minimum of 15 minutes.
Ingestion: Get medical attention.

After following first aid measures, seek medical attention.

## 5. FIRE-FIGHTING MEASURES:

Flammable Properties: Not flammable.
Extinguishing Media: Dry chemical, carbon dioxide or appropriate foam.
Unique Aspects Contributing To a Fire: None.
Special Fire Fighting Procedures: None.
Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES:

Due to small quantities involved, spills or leaks should not pose a significant problem. Absorb liquid with spill pillow or other absorbent. Place wastes into closed containers for proper disposal.

## 7. HANDLING AND STORAGE:

Handle as directed and in accordance with safe laboratory practices.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Handle in accordance with safe laboratory practices.

Respiratory Protection: Not normally needed.
Eye Protection: Safety glasses with side protection.
Skin Protection: No special precautions. Disposable nitrile are acceptable for light intermittent exposure.
Engineering Controls: No special precautions.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance: Clear liquid**

| | | |
|---|---|---|
| **Physical State: Liquid** | **Flash Point: >350°F (>177°C)** | **Vapor Pressure: NA** |
| **Odor: None** | **Explosion Limits: NA** | **Vapor Density (air=1): NA** |
| **pH: 2.4** | **Boiling Point: NA** | **Solubility in Water: Soluble** |
| **Specific Gravity: NA** | **Melting Point: NA** | **Other: NA** |

**10. STABILITY AND REACTIVITY:**

**Hazardous Polymerization** ☒**Will Not Occur** ☐**May Occur**

**Stability: Stable**

| **Hazardous Decomposition/Combustion Products:** | **Conditions & Materials to Avoid:** |
|---|---|
| **Oxides of carbon.** | **Strong oxidizing agents** |

**11. TOXICOLOGICAL INFORMATION:**

**Primary Route(s) of Exposure under Normal Use: None.**

**Target Organ(s): None.**

**Acute Effects: May be slightly irritating to eyes or skin. Glycine: LD50 Oral - Rat - 7,930 mg/kg**

**Chronic Effects: None.**

**Other Information: Chemical Component(s) not classified as carcinogen(s) by OSHA, IARC (Group 1/2), NTP (Group 1/2), or ACGIH (Group A1/A2). This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.**

**12. ECOLOGICAL INFORMATION: NA**

**13. DISPOSAL CONSIDERATIONS: Consult state, local or national regulations for proper disposal. The U.S. Environmental Protection Agency (EPA) does not classify unused product as hazardous waste.**

**14. TRANSPORT INFORMATION: Not Dangerous Goods. Not Regulated.**

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|---|---|
| **IATA/ICAO: Shipping Name: NA**<br>**Hazard Class: NA**<br>**UN/NA #: NA**<br>**Packing Group #: NA** | **IMDG: NA**<br><br>**ADR: NA** |

**15. REGULATORY INFORMATION:**

**U.S. TOSCA: Listed.**

**Canada: This product has been classified according to the hazard criteria of the Controlled Product Registration (CPR) and this SDS contains all the information required by the CPR.**

**16. OTHER INFORMATION:**

**U.S. EPA**

| SARA 313 Chemicals | CERCLA RQ |
|---|---|
| None | None |
| | |
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| | |

**National Fire Protection Association Rating**

| | | Glycine |
|---|---|---|
| 4=Severe Hazard | HEALTH | 1 |
| 3=Serious Hazard | FLAMMABILITY | 0 |
| 2=Moderate Hazard | REACTIVITY | 0 |
| 1=Slight Hazard | OTHER | NA |
| 0=Minimal Hazard | | |

**Notes, abbreviations and acronyms:**

**ACGIH: American Conference of Governmental Industrial Hygienists**
**ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road**
**CAS: Chemical Abstracts Service (division of the American Chemical Society)**
**EC: European Commission**
**EU IOELV: European Union Indicative Occupational Exposure Limit Values**
**GHS: Globally Harmonized System of Classification and Labeling of Chemicals**
**IATA: International Air Transport Association**
**IMDG: International Maritime Code for Dangerous Goods**
**NA: Not Available.**
**OSHA: Occupational Safety and Health Administration**

**For laboratory use only. Not for drug, household or other uses.**

**The information contained herein has been compiled from data presented in various technical sources believed to be accurate. Waters makes no warranties and assumes no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary precautions.**

**901518.001: June 12, 2015**