

SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Regen Buffer pH 2.0 (No Salt)
 Gator Part Number: 120008 – 50 mL
 Unit of Measure: Bottle (50 mL)
 Recommended Use: Laboratory reagent, for research and development use only. Not for human or animal therapeutic or diagnostic use.
 Manufacturer/Supplier: Gator Bio, 2455 Faber Place, Palo Alto, CA 94303 USA
 Phone: 1-855-208-0743

SECTION 2: HAZARDS IDENTIFICATION

OSHA HazCom 2012: Skin Corrosion/Irritation, Category 1B
 Eye Damage/Irritation, Category 1
 Signal Word: Danger
 Hazard Statement: H314: Causes severe skin burns and eye damage.



Pictogram(s):
 Precautionary Statement(s): P262: Avoid contact with eyes, skin, or clothing.
 P264: Wash hands thoroughly after handling.
 P280: Wear protective gloves/eye protection/face protection.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture:	Mixture		
Chemical Name	CAS Number	Concentration (w/v%)	Hazard Classification
Hydrochloric Acid	7647-01-0	< 1%	Corrosive (H290, H314, H318, H335)

SECTION 4: FIRST-AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.
 Skin Contact: Rinse with water. Remove contaminated clothing.
 Ingestion: Rinse mouth with water. Do NOT induce vomiting. Get medical attention.
 Inhalation: Move to fresh air if mist inhaled. Seek help if symptoms persist.
 Symptoms/Effects: Causes redness, pain, and irritation on contact with skin or eyes.
 Immediate Medical Attention: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures appropriate for the surrounding fire, such as water spray, dry chemical, carbon dioxide, or foam.
 Unsuitable Extinguishing Media: Not applicable.
 Specific Hazards Arising from the Chemical: Carbon oxides and nitrogen oxides.
 Special Protective Equipment and Precautions: Standard procedure for chemical fire.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes, and clothing.
Protective Equipment:	Wear appropriate personal protective equipment as outlined in Section 8.
Spill:	Wipe up with absorbent, rinse area with water.
Environmental Precautions:	Avoid discharge to drains without neutralization.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Wear appropriate personal protective equipment (gloves, lab coat, safety goggles). Use with adequate ventilation. Avoid contact with skin, eyes, and clothing.
Conditions for Safe Storage:	Store at 2-8°C in a refrigerator. Store away from incompatible materials, especially strong bases and oxidizing agents.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limits:	None established for this mixture.
Personal protection measures:	
- Eye/Face Protection:	Chemical safety goggles.
- Skin Protection:	Wear appropriate chemical-resistant gloves (e.g., nitrile) and a lab coat.
- Respiratory Protection:	Normal lab ventilation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless liquid
Odor:	Odorless
pH:	≈ 2.0
Initial Boiling Point/Range:	≈100°C (212°F) (based on water)
Flammability:	Not flammable

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions of use.
Chemical Stability:	Stable under recommended storage conditions.
Possible Hazardous Reactions:	No hazardous reactions are known.
Incompatible Materials:	Strong bases, strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	Based on ingredient information, the product is not expected to be acutely toxic via oral, dermal, or inhalation routes.
Skin Corrosion/Irritation:	Causes skin irritation based on pH.
Serious Eye Damage/Irritation:	Causes serious eye irritation based on pH.
Respiratory or Skin Sensitization:	Not classified as a respiratory or skin sensitizer.
Germ Cell Mutagenicity:	No data available.
Carcinogenicity:	No components of this product are listed as a carcinogen by IARC, NTP, or OSHA.
Reproductive Toxicity:	No data available.
Aspiration Hazard:	Not considered an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No specific data available for this mixture. The low concentration and biodegradability of glycine are not expected to be hazardous to aquatic life.
Persistence and Degradability:	Expected to be readily biodegradable.
Bioaccumulative Potential:	Bioaccumulation is not expected.
Mobility in Soil:	The components are highly water-soluble and mobile in soil.
Other Adverse Effects:	None known.



SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of contents and containers in accordance with local, regional, national, and international regulations. Chemical waste generators must determine if a discarded chemical is classified as a hazardous waste.

Section 14: TRANSPORT INFORMATION

DOT (US):	Not regulated as a hazardous material.
IATA:	Not regulated as a hazardous material.
IMDG:	Not regulated as a hazardous material.
Special Precautions:	Not applicable.
Hazard Class:	Not determined.
Identification Number:	Not determined.
Packing Group:	Not classified.

SECTION 15: REGULATORY INFORMATION

SARA 313: This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

SDS Creation Date: November 03, 2025

Main hazard is acidity; actual risk is low when standard lab PPE and practices are followed.

Disclaimer: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Gator Bio be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages, howsoever arising, even if Gator Bio has been advised of the possibility of such damages.