SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Flex SA Kit
Gator Part Number:	190004
Unit of Measure:	Box
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

Classification of the mixture (Kit):
This product is a kit containing multiple components. The hazard classification is based on the hazardous component, Reactivation Reagent.

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: August 14, 2025
Main hazard is acidity; actual risk is low when standard lab PPE and practices are followed.

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