SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Regeneration Solution for RSA
Gator Part Number:	120103
Unit of Measure:	Bottle (25 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 1
Eye Damage/Irritation, Category 1
Acute Toxicity, Oral: Category 4

Signal Word: Danger

Hazard Statement: H314: Causes severe skin burns and eye damage.
H302: Harmful if swallowed.

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.
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	*CAS No.*	*Weight %*
Proprietary Ingredient A (Chaotropic Agent)	Trade Secret	30% - 70%
Proprietary Ingredient B (Inorganic Acid)	Trade Secret	<1.0%
Water	7732-18-5	Balance

Note: The specific chemical identities and exact percentages are withheld as a trade secret in accordance with 29 CFR 1910.1200(i).

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 15 – 30 °C 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:	**≈ 0.7**
Initial Boiling Point/Range:	≈100°C (212°F) (based on water)
Flammability:	Not flammable

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Reactive with strong bases (exothermic neutralization).
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:	Harmful if swallowed.
Skin/Eye:	Highly corrosive. Likely to cause permanent damage to eyes and severe chemical burns to skin.
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:	This product is expected to be harmful to aquatic life primarily due to its extreme acidity (pH 0.7).
Persistence and Degradability:	Not readily biodegradable
Bioaccumulative Potential:	Bioaccumulation is not expected.
Mobility in Soil:	The components are highly water-soluble and mobile in soil.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods:	Product: This material is considered a hazardous waste due to its corrosivity (EPA Hazardous Waste Code D002). Do not dispose of it in the sink or regular trash. Neutralization: Large quantities should be neutralized to pH 6–8 using a weak base (e.g., sodium bicarbonate) by trained personnel before disposal. Note: Neutralization is exothermic (releases heat). Contaminated Packaging: Dispose of as unused product. Containers should be triple-rinsed with water before recycling or disposal in accordance with local regulation.

SECTION 14: TRANSPORT INFORMATION

UN Number:	UN3264
UN Proper Shipping Name:	Corrosive liquid, acidic, inorganic, n.o.s.
Transport Hazard Class:	8
Packing Group:	II
DOT (Land):	Regulated as a Class 8 corrosive material. Limited quantity provisions may apply depending on packaging configuration and quantity.
IATA (Air):	Regulated as a Class 8 corrosive material. Limited quantity provisions may apply depending on packaging configuration and quantity.
IMDG (Sea):	Regulated as a Class 8 corrosive material. Limited quantity provisions may apply depending on packaging configuration and quantity.
Environmental Hazards:	Not classified as a marine pollutant based on available information.
Special Precautions**:**	Avoid contact with skin and eyes. Keep container tightly closed and protected from physical damage during transport.

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: July 10, 2026
Main hazard is acidity; actual risk is low when standard lab PPE and practices are followed.

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