

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product name: Component GA1

Contact:

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SECTION 2: HAZARD IDENTIFICATION

GHS classification of the substance/mixture:

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements:

Not a hazardous substance or mixture.

Other hazards which do not result in the classification or are not covered by the GHS:

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS SUBSTANCE

The product contains no substances which, at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

SECTION 4: FIRST AID MEASURES

Description of necessary measures.

Inhalation:	Provide fresh air and contact physician if complaint persists or symptoms develop.
Skin contact:	Wash off with soap and plenty of water.
Eye contact:	Flush eyes with water. Then consult a doctor.
Ingestion;	Rinse mouth with water. Seek medical attention and appropriate follow-up.

Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Suitable Extinguishing

Media Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors.

Explosion data

Sensitivity to Mechanical Impact

No information available.

Sensitivity to Static Discharge

No information available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

For personal protection use safety glasses, lab coat, and gloves. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.

Environmental precautions:

Avoid release to the environment. See Section 12 for additional ecological information.

Methods and materials for containment and cleaning up:

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities:

Storage conditions	Keep container tightly closed in a dry and well-ventilated place. Store at -20 °C.
Incompatible materials	None known based on information supplied.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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Appropriate engineering controls

Engineering Controls	Showers Eyewash stations Ventilation systems
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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and Body Protection	Wear protective gloves and protective clothing.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aqueous solution.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower flammability or explosive limits:	No data available.

Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	No data available.
Solubility(ies):	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions.
Conditions to avoid:	Heat and moisture.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Information on toxicological effects

This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

Chemical Name	LD50 Oral	LD50 Dermal	LD50 inhalation
water	>90000 mg/kg (Rat)	-	-
citric acid	3000 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms	No information available.
Sensitization	No information available.
Mutagenic effects	No information available.

Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA. Reproductive toxicity No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Neurological effects	No information available.
Aspiration Hazard	No information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	0.006% of the mixture consists of components of unknown hazards to the aquatic environment.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	None.

SECTION 13: DISPOSAL INFORMATION

Disposal methods: Dispose of waste in accordance to applicable national, regional, or local regulations.

Contaminated packaging: Dispose in the same manner as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

Not dangerous goods.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

SECTION 15: REGULATORY INFORMATION

International Inventories:

US Federal Regulations:

SARA 302 Components.

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material 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.

SARA 311/312 Hazards

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No

US State regulations:**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.
Water	7732-18-5
Serum albumin	9048-46-8

New Jersey Right To Know Components

	CAS-No.
Water	7732-18-5
Serum albumin	9048-46-8

California Prop. 65 Components

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

SECTION 16: OTHER INFORMATION

The information provided herein is based on sources believed to be reliable as of 4/14/2021 and pertains only to the material designated. Elixirgen Scientific, Inc. makes no warranty or representation to its completeness, accuracy, or currency, and assumes no liability resulting from its use. This material is intended for use by persons with pertinent technical skills for its intended use, the product's safe use, and the product's proper disposal. Disposal of hazardous material may be subjected to federal, state or local laws or regulations.

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