

Bioland Scientific LLC

Material Safety Data Sheet

Version 1.0
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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	4xTris-Glycine Native Sample Buffer
Catalog Number	SABN02-01, SABN02-02
Brand	Bioland Chemicals
Company	Bioland Scientific LLC 14925 Paramount Blvd., Suite C Paramount, CA 90723 USA
Telephone	1-562-602-8882
Fax	1-562-733-6008
Emergency Phone #	1-562-377-2668

2. HAZARDS IDENTIFICATION

GHS – Classification

Signal Word

Not Hazardous

Health Hazard

Not Hazardous

Physical Hazards

Not hazardous

Principle Routs of Exposure / Potential Healthe Effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.

Specific Effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target Organ Effects	No information available

HMIS Classification

Health:	0
Flammability:	0
Reactivity	0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Glycerol	56-81-5	15-30

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

4. FIRST AID MEASURES

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Inhalation	Move to fresh air.
Skin contact	Wash off immediately with plenty of water.
Ingestion	Never give anything by mouth to an unconscious person.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Special protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for Disposal.

Environmental precautions

Prevent leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

Handling

Always wear recommended Personal Protective Equipment. No special handling advice required

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Glycerol	15mg/m ³ 5 mg/m ³	-	-	-

Engineering measures

Personal protective equipment

Respiratory protection

Hand protection

Eye protection

Skin and body protection

Hygiene measures

Environmental exposure controls

Ensure adequate ventilation, especially in confined areas

In case of insufficient ventilation wear suitable respiratory equipment

Protective gloves

Safety glasses with side-shields

Lightweight protective clothing.

Handle in accordance with good industrial hygiene and safety practice

Prevent product from entering drains.

9. Physical and chemical properties

General Information

Form: Liquid

Important Health Safety and Environmental Information

Boiling Point/Range	No Data Available
Melting Point/Range	No Data Available
Flash Point	No Data Available
Autoignition Temperature	No Data Available
Oxidizing properties	No information available
Water solubility	Soluble
Viscosity	No data available

10. STABILITY AND REACTIVITY

Stability

Stable.

Materials to avoid

No information available

Hazardous decomposition products

No information available

Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Glycerol	no data available	no data available	>570mg/m ³ (Rat)

Principle Routes of Exposure/Potential Health effects

Eyes May cause eye irritation with susceptible persons.

Skin May cause skin irritation in susceptible persons

Inhalation May be harmful by inhalation

Ingestion May be harmful if swallowed

Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target Organ Effects	No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available.
Mobility	No information available
Biodegradation	Inherently biodegradable.
Bioaccumulation	Does not bioaccumulate.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Glycerol	-	-	-	-	logPow-1.76

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

15. REGULATORY INFORMATION

Chemical Name	TSCA
Glycerol 56-81-5 (15-30)	Listed

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Glycerol	Listed	-	Listed	-	-

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

For research use only

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet