

# Tris-Glycine SDS Running Buffer 5L Sachet



## MATERIAL SAFETY DATA SHEET (MSDS)

MSBG143 v1.1

### SECTION 1 COMPANY AND PRODUCT IDENTIFICATION

<b>Manufacturer</b>	NuSep Ltd 324 Burns Bay Road, Lane Cove NSW 2066 Australia ABN 81 134 281 977	<b>Phone:</b> 61 2 8415 7300 <b>Fax:</b> 61 2 8415 7399 <b>Email:</b> sales@nusep.com <b>Internet:</b> www.nusep.com
<b>Date of Issue</b>	March 2011 Classified as hazardous according to criteria of NOHSC. Not classified as dangerous goods according to the ADG Code.	
<b>Product Name</b>	Tris Glycine SDS Running Buffer 5L Sachet	
<b>Product Code</b>	BG-143	
<b>Container Size</b>	91.5g Sachet	
<b>Product Use</b>	Laboratory reagent for electrophoresis separation of charged molecules, e.g. proteins.	

### SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Proportion, %
Glycine	56-40-6	< 80
TRIS	77-86-1	< 15
Sodium dodecyl sulfate	151-21-3	< 5
Ingredients	CAS No.	Proportion, %
Glycine		

### SECTION 3 HAZARDS IDENTIFICATION

<b>Health Hazard Classification</b>	IRRITANT ( Xi )
<b>UN Classification</b>	Not a Dangerous Good
<b>UN Number</b>	None allocated
<b>Poison Schedule(SUSDP)</b>	Not a Scheduled Poison

#### EMERGENCY OVERVIEW

<b>Product</b>	Product is a white powder, packaged in sachets, each containing 20 grams.
<b>Risk Phrases</b>	R36/37/38 Irritating to eyes, respiratory system and skin.

#### POTENTIAL HEALTH EFFECTS

<b>Inhalation</b>	Data suggests that this product may be harmful if inhaled as material is irritating to the mucous membranes and upper respiratory tract. Brief or minor exposure may lead to health problems. Extended or major exposure may lead to severe consequences.
<b>Skin contact</b>	Data suggests that this product causes skin irritation. May be harmful if absorbed through the skin. Extended or major skin exposure may lead to health problems.
<b>Eye contact</b>	Data suggests that this product is irritating to the eyes. It may cause discomfort such as pain, copious watering and redness of the eyes. Effects may last long after exposure has ceased, and in severe exposure, permanent effects such as corneal damage or blindness can occur.
<b>Ingestion</b>	Data suggests that this product may be harmful if swallowed.
<b>Inhalation</b>	Data suggests that this product may be harmful if inhaled as material is irritating to the mucous membranes and upper respiratory tract. Brief or minor exposure may lead to health problems. Extended or major exposure may lead to severe consequences.

#### CARCINOGEN STATUS

Ingredients are not classified as human carcinogens by the International Agency for Research on Cancer (IARC).

### SECTION 4 FIRST AID MEASURES

<b>Inhalation</b>	Remove source of contamination or move victim to fresh air. If breathing is stopped, trained personnel should begin artificial respiration (AR). Obtain medical attention immediately.
<b>Skin contact</b>	Immediately wash skin with soap and copious amounts of water until the chemical is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). If irritation persists, repeat flushing. Obtain medical advice immediately.
<b>Eye contact</b>	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, or until the chemical is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately.
<b>Ingestion</b>	If swallowed, wash out mouth with water, provided person is conscious. Have victim drink 240 to 300 mL (8 to 10 oz.) of water to dilute material in stomach. DO NOT INDUCE VOMITING. If vomiting occurs naturally, rinse mouth and repeat administration of water. Obtain medical advice immediately.
<b>Advice to Doctor</b>	Treat symptomatically. Note the nature of this product.

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### SECTION 5 FIRE FIGHTING MEASURES

<b>Flashpoint</b>	Data not available. This product does not burn.
<b>Flammable Limits</b>	Not applicable.
<b>Extinguishing Media</b>	Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
<b>Special Fire Fighting Procedures</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<b>Fire &amp; Explosion Hazards</b>	Emits toxic fumes under fire conditions. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. ventilate area and wash spill site after material pick-up is complete. Wear gloves and eye protection. After spills, wash area.  
The container size is 91.5g, therefore a major spill is unlikely. Prevent spillage from entering drains or watercourses. Dispose of in accordance with local, state and federal regulations.

### SECTION 7 HANDLING AND STORAGE

<b>Handling</b>	Do not breathe dust. Avoid contact with eyes, skin and clothing. Protective gloves and glasses should be worn when using this product in the laboratory. Avoid prolonged or repeated exposure. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
<b>Storage</b>	Do not open sachet until ready for use. Store in a cool dry place. Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Provide mechanical exhaust. Use only with adequate ventilation.
<b>Personal Protection</b>	Protective gloves and glasses should be worn when using this product in the laboratory.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Powder	<b>Specific Gravity</b>	Not applicable
<b>Colour</b>	White	<b>Water Solubility</b>	Completely soluble
<b>Odour</b>	None	<b>pH</b>	8.6
<b>Boiling Point</b>	Not available	<b>Volatility</b>	Not available
<b>Freezing Point</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Vapour Pressure</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Vapour Density</b>	Not available	<b>Coefficient of Distribution</b>	Not available

### SECTION 10 STABILITY AND REACTIVITY

<b>Stability</b>	This product is believed to be stable at normal temperatures and pressure.
<b>Materials to avoid</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	None. Product is unlikely to spontaneously decompose.
<b>Hazardous Polymerisation</b>	This product is unlikely to spontaneously polymerise.

### SECTION 11 TOXICOLOGICAL INFORMATION

Not available for this product. To the best of our knowledge, the chemical, physical and toxicological properties of this product have not been thoroughly investigated.

### SECTION 12 ECOLOGICAL INFORMATION

Not available for this product, therefore care should still be taken to ensure the product does not enter the environment.

### SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations.

### SECTION 14 TRANSPORT INFORMATION

Not a Dangerous Good. No special requirements for transport by road, air or rail.

### SECTION 15 REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the CPR (Controlled Product Regulations, Canada) and the MSDS contains all the information required by the CPR. OSHA classification, hazardous. Classified as hazardous according to criteria of NOHSC. Not classified as dangerous goods according to the ADG Code and European directives.

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### SECTION 16

### OTHER INFORMATION

#### Label Text Acronyms

Please read all labels carefully before using this product.  
ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail  
CAS Number Chemical Abstracts Service Registry Number  
IARC International Agency for Research on Cancer  
NOHSC National Occupational Health and Safety Commission (Australia)  
OSHA Occupational Safety and Health Administration (U.S.A.)  
SUSDP Standard for the Uniform Scheduling of Drugs and Poisons (Australia)  
UN Number United Nations Number

#### Preparation

This MSDS has been prepared according to international guidelines and is suitable for use in Canada, USA, Mexico, Japan, Europe, UK, Australia and other countries.  
This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.  
MSDS prepared by NuSep.

END