

Tris-Glycine SDS Running Buffer (10x)



MATERIAL SAFETY DATA SHEET (MSDS)

MSBG141 v4.1

SECTION 1 COMPANY AND PRODUCT IDENTIFICATION

Manufacturer	NuSep Ltd 324 Burns Bay Road, Lane Cove NSW 2066 Australia ABN 81 134 281 977	Phone:	+1-877-592-1060
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		Email:	sales@nusep.com
		Internet:	www.nusep.com
Date of Issue	March 2011		
	Not classified as hazardous according to criteria of NOHSC. Not classified as dangerous goods according to the ADG Code.		
Product Name	Tris Glycine SDS Running Buffer (10x)		
Other Names	None.		
Product Codes	BG-141		
Container Size	500 mL		
Product Use	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	< 30
TRIS	77-86-1	< 10
Sodium dodecyl sulfate	151-21-3	< 3
Water	7732-18-5	to 100

SECTION 3 HAZARDS IDENTIFICATION

Health Hazard Classification	NON-HAZARDOUS
UN Classification	Not a Dangerous Good
UN Number	None allocated
Poison Schedule(SUSDP)	Not a Scheduled Poison

EMERGENCY OVERVIEW

Product	Tris Glycine Running Buffer is a clear, colourless liquid with no odour, packaged in plastic bottles, each containing 500 millilitres.
Major Health Hazards	None known

POTENTIAL HEALTH EFFECTS

Inhalation	Data suggests that this product should present no significant problems.
Skin contact	Data suggests that this product should present no significant problems.
Eye contact	This product may be mildly irritating to eyes. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any lasting effects.
Ingestion	No hazards anticipated from swallowing small amounts incidental to normal handling procedures.
Chronic Exposure	No specific data is available for the product for chronic exposure symptoms.

CARCINOGEN STATUS

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

SECTION 4 FIRST AID MEASURES

Eye contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, or until the chemical is removed. While holding the eyelid(s) open. If irritation persists, obtain medical advice.
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SECTION 5 FIRE FIGHTING MEASURES

Flashpoint	Data not available. This product does not burn.
Flammable Limits	Not applicable.
Extinguishing Media	This product does not burn. Use extinguishing media suited to the materials that are burning.
Fire & Explosion Hazards	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is a water-based solution and except under gross fire conditions, it should not burn. Fire decomposition products from this product may form toxic mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating (minor quantities of carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke; water).
Fire Fighting Equipment	No special fire fighting clothing is necessary on account of this product. However, as a minimum, wear safety shoes and overalls.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Minor spills do not normally need any special cleanup measures. The container size is 500 mL, therefore a major spill is unlikely. Spillage can be taken up with absorbent material. Wear gloves and eye protection. Prevent spillage from entering drains or watercourses. Dispose of in accordance with local, state and federal regulations.

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SECTION 7 HANDLING AND STORAGE			
Handling	Avoid contact with eyes, skin and clothing. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.		
Storage	Keep container closed when not in use in order to minimise contamination. Keep from extreme heat and open flames.		
SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION			
Exposure Limits	Not applicable		
Engineering Controls	No specific exposure controls needed.		
Personal Protection	Protective gloves and glasses are not normally necessary when using this product. However, it is always prudent to wear gloves and glasses when handling any laboratory chemicals.		
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES			
Physical State	Liquid	Specific Gravity	1.011
Colour	Clear, colourless	Water Solubility	Completely soluble
Odour	No odour	pH	8.3
Boiling Point	Near 100 °C	Volatility	Not available
Freezing Point	Not available	Odour Threshold	Not available
Vapour Pressure	Not available	Evaporation Rate	Not available
Vapour Density	Not available	Coefficient of Distribution	Not available
SECTION 10 STABILITY AND REACTIVITY			
Stability	This product is believed to be stable at normal temperatures and pressure.		
Materials to avoid	No particular incompatibilities.		
Hazardous Decomposition Products	None. Product is unlikely to spontaneously decompose.		
Hazardous Polymerisation	This product is unlikely to spontaneously polymerise.		
SECTION 11 TOXICOLOGICAL INFORMATION			
Not available for the product, Tris Glycine Running Buffer. The ingredients are not classified as toxic.			
SECTION 12 ECOLOGICAL INFORMATION			
Not available for the product, Tris Glycine Running Buffer. Sodium dodecyl sulfate is toxic to aquatic organisms. Although SDS is only present in very small quantities, care should 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			
No special storage or transport requirements.			
SECTION 15 REGULATORY INFORMATION			
This product has been classified according to the hazard criteria of the Controlled Product Regulations (Canada) and found to be non-hazardous. Not classified as hazardous according to criteria of OSHA. Not classified as hazardous according to criteria of NOHSC. Not classified as dangerous goods according to the ADG Code.			
SECTION 16 OTHER INFORMATION			
Label Text	Please read all labels carefully before using this product.		
Acronyms	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.		

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