

MATERIAL SAFETY DATA SHEET

MSBG143 v1.0

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION													
Product Name	Classified as hazardous according to criteria of NOHSC. Not classified as dangerous goods according to the ADG Code. Tris Glycine SDS Running Buffer 5L Sachet												
Product Code	BG-143												
Container Size	91.5g Sachet												
Product Use	Laboratory reagent for electrophoresis separation of charged molecules, e.g. proteins.												
Date of Issue	October 2006												
Manufacturer	NuSep Ltd 22 Rodborough Road, Frenchs Forest NSW 2086 Australia ABN 33 120047556 Phone: 61 2 8977 9000 Fax: 61 2 8977 9099 Email: sales@nusep.com Internet: www.nusep.com												
SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS													
	<table border="1"> <thead> <tr> <th>Ingredients</th> <th>CAS No.</th> <th>Proportion, %</th> </tr> </thead> <tbody> <tr> <td>Glycine</td> <td>56-40-6</td> <td>< 80</td> </tr> <tr> <td>TRIS</td> <td>77-86-1</td> <td>< 15</td> </tr> <tr> <td>Sodium dodecyl sulfate</td> <td>151-21-3</td> <td>< 5</td> </tr> </tbody> </table>	Ingredients	CAS No.	Proportion, %	Glycine	56-40-6	< 80	TRIS	77-86-1	< 15	Sodium dodecyl sulfate	151-21-3	< 5
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Sodium dodecyl sulfate	151-21-3	< 5											
SECTION 3 HAZARDS IDENTIFICATION													
Health Hazard Classification	IRRITANT (Xi)												
UN Classification	Not a Dangerous Good												
UN Number	None allocated												
Poison Schedule (SUSDP)	Not a Scheduled Poison												
EMERGENCY OVERVIEW													
Product	Product is a white powder, packaged in sachets, each containing 20 grams.												
Risk Phrases	R36/37/38 Irritating to eyes, respiratory system and skin.												
Safety Phrases	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36 Wear suitable protective clothing.												
POTENTIAL HEALTH EFFECTS													
Inhalation	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.												
Skin contact	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.												
Eye contact	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.												
Ingestion	Data suggests that this product may be harmful if swallowed.												
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													
Inhalation	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.												
Skin contact	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.												
Eye contact	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.												
Ingestion	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.												
Advice to Doctor	Treat symptomatically. Note the nature of this product.												
SECTION 5 FIRE FIGHTING MEASURES													
Flashpoint	Data not available. This product does not burn.												
Flammable Limits	Not applicable.												
Extinguishing Media	Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.												
Special Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.												
Fire & Explosion Hazards	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.												

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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			
Handling	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.		
Storage	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			
Exposure Limits	Not available.		
Engineering Controls	Provide mechanical exhaust. Use only with adequate ventilation.		
Personal Protection	Protective gloves and glasses should be worn when using this product in the laboratory.		
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES			
Physical State	Powder	Specific Gravity	Not applicable
Colour	White	Water Solubility	Completely soluble
Odour	None	pH	8.6
Boiling Point	Not available	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	Strong oxidising agents.		
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 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.			
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.		