

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: 61 2 8415 7300 Fax: 61 2 8415 7399 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. |
| 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. |

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.

Tris-Glycine SDS Running Buffer (10x)



MATERIAL SAFETY DATA SHEET (MSDS)

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. |

END