

**Tris Glycine SDS
Transfer Buffer 10X****TGS********SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Blended material
Product code : TGS0500, TGS1000, TGS5000
Trade name : Tris Glycine SDS Transfer Buffer 10X

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : For research purposes only

1.3. Details of the supplier of the safety data sheet

Company identification **Formedium Ltd.**
King's Lynn, England, PE31 6DJ
Tel: +44(0)1485 609069
Web: www.Formedium.com
E-mail: info@formedium.com

1.4. Emergency telephone number

Emergency phone nr Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)
: NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours)

SECTION 2 Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272 / 2008**

Eye irritation (Category 2), H319

For the full text of the H statements mentioned in this Section, see Section 16.

Not a hazardous substance or mixture

2.2. Label elements**Labelling according to Regulation (EC) No. 1272 / 2008**

Pictogram



Warning

Signal word:

Hazard statements

H319 - Causes serious eye irritation.

**Tris Glycine SDS
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P280: Wear protective gloves, protective clothing, eye protection, face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do so. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice / attention.

2.3. Other hazards

This substance / mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3 Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients according to Regulation (EC) No. 1272 / 2008****Sodium dodecyl sulphate**

CAS No.: 151-21-3

EC No.: 205-788-1

Flam.Sol. 2; Acute Tox. 4;

Skin Irrit. 2; Eye Dam. 1

STOT SE 3; Aquatic Chronic 3;

H228, H302 + H332, H315, H318, H335, H412

For the full text of the H statements mentioned in this Section, see Section 16.

SECTION 4 First aid measures**4.1. Description of first aid measures****General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.**Inhalation:** If breathed in, move person to fresh air. If not breathing, give artificial respiration. Seek medical advice.**Skin contact:** Wash off with soap and plenty of water. Seek medical advice.**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and seek medical advice.**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice.**Notes to physician:** Treat symptomatically.**4.2. Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and / or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

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SECTION 5 Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray.
Alcohol resistant foam.
Dry extinguishing powder.
Carbon Dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus for fire-fighting if necessary.

5.4. Reference to other sections

No data available.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothes.
For personal protection see Section 8.

6.2. Environmental precautions

Do not allow product to enter drains or surface water. Prevent further leakage or spillage if safe to do so.
Dispose of this material and its container in a safe way.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

For disposal : see section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes.
For precautions see Section 2.2

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8°

Storage Class (TRGS510) : Non Combustible Liquids

7.3. Specific end use(s)

For research purposes only.

**Tris Glycine SDS
Transfer Buffer 10X****TGS********SECTION 8 Exposure controls/personal protection****8.1. Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limits values.

8.2. Exposure controls**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of the workday.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Eye / face protection

Wear safety glasses with side shields conforming to EN166.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Wear impervious suitable lightweight protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Use a full-face respirator with multi-purpose combination (US) or type ABEK (EN14397) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9 Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: liquid
Colour	: No information available
Odour	: No information available
Odour threshold	: No information available
pH	: No information available
Initial Boiling point / range	: No data available
Evaporation rate	: No data available
Flash point	: No data available
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 1.07 g/mL at 20°C
Water solubility	: No data available
Partition co-efficient n-Octanol / water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

**Tris Glycine SDS
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None

SECTION 10 Stability and reactivity**10.1. Reactivity**

No data available.

10.2. Chemical stability

The product is chemically stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Oxidizing agents. Strong oxidizing agents.

10.6. Hazardous decomposition products

Other decomposition products – No data available.

In the event of fire : see Section 5.

SECTION 11 Toxicological information**11.1. Information on toxicological effects****Acute toxicity** : No data available.**Skin corrosion / irritation** : No data available.**Serious eye damage / irritation** : No data available.**Respiratory or skin sensitisation** : No data available.**Germ cell mutagenicity** : No data available.**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity : No data available.**Specific target organ toxicity**– **single exposure** : No data available.**Specific target organ toxicity**– **repeated exposure** : No data available.**Aspiration hazard** : No data available.**Additional information** : No data available.

RTECS: Not available.

To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.

**Tris Glycine SDS
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The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12 Ecological information**12.1. Toxicity**

No information available.

12.2. Persistence - degradability

This product has not been tested. No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This substance / mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels 0.1% or higher.

12.6. Other adverse effects

No data available.

12.7. Endocrine disrupting properties

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 13 Disposal considerations**13.1. Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging

Dispose of as unused product.

**Tris Glycine SDS
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Not applicable

General information : Not classified as dangerous in the meaning of transport regulations**14.2. Proper shipping name**

Not applicable

14.3. Transport Hazard Classification

Not applicable

14.4. Packing Group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15 Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No.: 2015/830

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16 Other information**Full text of H-statements referred to under sections 2 and 3**

H228	Flammable solid
H302 + H332	Harmful if swallowed or inhaled
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects.
Acute Tox	Acute toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
Flam. Sol.	Flammable solids
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity – single exposure

Further information :

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

Complete SDS revision**End of document**