

# Material Safety Data Sheet

MSDS No.: MSDS#8015021E

First Revision Date: 2024.03.21

Product Name: Tris-Glycine SDS Running Buffer 10×

Last Revision Date: 2024.03.22 Version No.:1.0

## Section 1: Chemical Product & Company Identification

### Identification of the Substance or Mixture

**Product Code: 8015021/8015023**

**Product Name: Tris-Glycine SDS Running Buffer 10×**

### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

#### Identified uses

For research use only. Not applicable for diagnostic procedures.

#### Uses advised

Not for consumer use.

### Identification of the Company/Undertaking

Manufacturer: Shenzhen Dakewe Bio-engineering Co., Ltd.

Address: Room 702-703, Building No.1, Shenzhen Biomedicine Innovations Industrial Park, No.14 Jinhui Road, Kengzi Street, Pingshan District, Shenzhen, China

**24-hour emergency response for hazardous articles [or hazardous goods] accidents. For spill, release, fire, exposure or accident, call Chemical Transportation Emergency Center (CHEMTREC).**

International: +1-703-741-5970 and +1-703-527-3887

China: 4001-204937

USA: 1-800-424-9300 and +1-703-527-3887

National/regional emergency number (if any)

CHEMTREC Hong Kong (Hong Kong) 800-968-793

CHEMTREC Singapore 800-101-2201 and +(65)-31581349

CHEMTREC Taiwan 0081-14-8954

## Section 2: Hazards Identification

### GHS Classification

Classification according to Regulation (EC) No. 1272/2008

Eye irritation (Category 2), H319

### Label Elements

#### Signal word

None

#### Hazard pictograms

None

#### Hazard pictographs

Warn

#### Hazard statements

H319 Causes serious eye irritation

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## Precautionary statements

### Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.  
P337+P313 IF eye irritation persists: Get medical advice/attention.

## Section 3: Composition/Information on Ingredients

Common Name No data available.  
Molecular formula No data available.  
Molecular weight No data available.

Component	Classification	Concentration or Concentration Range
Tris-Glycine SDS Running Buffer 10×	No data available.	10×

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

## Section 4: First Aid Measures

### Description of first aid measures

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##### Skin contact

Rinse well with soap and plenty of water. Consult a doctor.

##### Eye contact

Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Immediate medical attention is required. Keep your eyes open when rinsing.

##### Ingestion

Never give anything to an unconscious person. Rinse mouth with water. Consult a doctor.

##### Inhalation

If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. Consult a doctor.

##### Notes to Physician

Treat symptomatically

### Most important symptoms and effects, both acute and delayed

Not applicable

### Indication of any immediate medical attention and special treatment

None

## Section 5: Fire-fighting Measures

### Extinguishing media

#### Suitable extinguishing media

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### Unsuitable extinguishing media

No information available.

### Special hazards arising from the substance or mixture

Not known.

### Advice for firefighters

Standard procedure for chemical fires.

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## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended personal protective equipment. Use personal protective equipment. See Section 8 for more details.

### Environmental precautions

Prevent products from entering sewers.

### Methods and materials for containment and cleaning up

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

### Reference to other sections

See Section 8 for more details.

## Section 7: Handling and Storage

### Precautions for safe handling

Use required personal protective equipment, no special operating advice required.

### Conditions for safe storage, including any incompatibilities

Keep container at 2°C~8°C.

### Specific end uses

For research use only.

## Section 8: Exposure Controls/Personal Protection

### Control parameters

Contain no substances with occupational exposure limit values.

### Exposure Controls

#### Personal Protective Equipment

##### Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

##### Hand protection

Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

##### Eye protection

Tight sealing safety goggles

##### Skin and Body Protection

Wear suitable protective clothing

##### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

##### Environmental exposure controls

If safety requires, prevent further leaks or spills. Do not let product enter drains.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

#### Physical state

Colorless transparent liquid

#### Odour

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No data

## Odour Threshold

No data

## pH

No data

## Melting point / melting range

°C No data °F No data

## Boiling point / boiling range

°C No data °F No data

## Flash point

°C No data °F No data

## Autoignition Temperature

°C No data °F No data

## Decomposition temperature

°C No data °F No data

## Evaporation rate

No data

## Flammability (solid, gas)

No data

## Upper explosion limit

No data

## Lower explosion limit

No data

## Vapour Pressure

No data

## Relative density

No data

## Specific gravity

No data

## Solubility

No data

## Partition coefficient:

No data

## n-octanol/water Viscosity

No data

## Explosive properties

No data

## Oxidising properties

No data

## Other information

No data available

## Section 10: Stability and Reactivity

### Reactivity

None known.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

Hazardous reaction has not been reported.

### Conditions to avoid

Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product.

### Incompatible materials

No dangerous reaction known under conditions of normal use.

### Hazardous decomposition products

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No data available.

## Section 11: Toxicological Information

### Information on toxicological effects

#### Principal Routes of Exposure

##### Skin corrosion/irritation

Data are conclusive but insufficient for classification

##### Serious eye damage/irritation

Data are conclusive but insufficient for classification

##### Respiratory or skin sensitisation

Data are conclusive but insufficient for classification

##### Specific target organ toxicity (STOT)–singleexposure

Data are conclusive but insufficient for classification

##### Specific target organ toxicity (STOT)–repeatedexposure

Data are conclusive but insufficient for classification

##### Carcinogenicity

Data are conclusive but insufficient for classification

##### Germ cell mutagenicity

Data are conclusive but insufficient for classification

##### Reproductive Toxicity

Data are conclusive but insufficient for classification

##### Aspiration hazard

Data are conclusive but insufficient for classification

## Section 12: Ecological Information

### Toxicity

Contains no substances that are hazardous to the environment or that cannot be degraded in wastewater treatment plants.

### Mobility in soil

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### Other adverse effects

No data available.

## Section 13: Disposal Considerations

### Waste disposal methods

Recycle if possible. Please consult your local local authorities and disposal experts. You dissolve or mix the material with a flammable solvent and burn it bit by bit in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of this material is burned at once, an explosion may occur. Please comply with all federal, state and local regulations when handling this material.

## Section 14: Transport Information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations UN proper shipping name

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## UN number

Not applicable

## UN proper shipping name

Not applicable

## Transport hazard classes

Not applicable

## Packaging group

Not applicable

## Environmental hazards

Not applicable

## Special precautions for user

Not applicable

## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## Section 15: Regulatory Information

### International Inventory

Not applicable

### UN - Chemical Weapons Convention (CWC)

Not applicable

### South Korea

Not applicable

### Singapore

Not applicable

### Taiwan (China)

Not applicable

### China

Not applicable

## Section 16: Other Information

**Reason for revision** New addition (M)SDS sections.

**Revision number** 1

**Revision date** 2024-01-26

For research use only. Not for use in diagnostic procedures.

### References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

### Abbreviations and Acronyms

**TWA - Time-weighted average**

**OELs - Occupational exposure limits**

**STEL - Short-term exposure limit**

**DSL/NDSL - Canada Domestic Substances List/Non-domestic Substance List**

**KECL - Korea Existing Chemicals List**

**ENCS - Japanese Existing and New Chemical Substances**

**IECSC - Inventory of Existing Chemical Substances Produced or Imported in China**

**PICCS - Philippine Inventory of Chemicals and Chemical Substances**

**AICS - Australian Inventory of Chemical Substances**

**NZIoC - New Zealand Inventory of Chemicals**

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**EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/European List of Notified Chemical Substances**

**TSCA - Chemical Substance Inventory, Section 8 (b) of Toxic Substance Control Act**

**CEPA - Canadian Environmental Protection Act**

**EPA - Environmental Protection Agency**

**OSHA - Occupational Safety and Health Administration, United States Department of Labor**

**IATA - International Air Transport Association**

**DOT - Department of Transportation**

**IMDG - International Maritime Dangerous Goods**

**ACGIH - American Conference of Governmental Industrial Hygienists**

**NIOSH - National Institute for Occupational Safety and Health**

**AIHA - American Industrial Hygiene Association**

**HMIS - Hazardous Materials Information System, Department of Defense**

**NTP - National Toxicology Program**

**IARC - International Agency for Research on Cancer**

"The information contained here has been compiled through diligent searches and/or investigations. The recommendations given should be used with caution based on professional judgment. The information given should not be considered all-inclusive and should be interpreted as guidance only. All materials and mixtures may present unknown hazards and should be used with caution. Our company assumes no responsibility for damages or losses resulting from handling or exposure to the product described herein, since we have no control over the actual methods, quantities or conditions of use.

**The information in this SDS does not constitute any express or implied warranty, including any implied warranty of merchantability or fitness for a particular purpose."**

**End of Safety Data Sheet**