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# Material Safety Data Sheet

Revision Date: 31st-Oct-2022



## 1. Product and Company Information

Product:	RBC Lysis Buffer (1×)
Cat. No.	FB101-01
Company	TransGen Biotech Co., Ltd.
Technical Phone	400-898-0321
Fax	010-57815011
E-mail Address	trans@transgen.com.cn

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## 2. Composition

This product does not contain substances that are hazardous to health at its given concentration. Careful handling of all chemicals is recommended.

## 3. Hazards Identification

### Health Hazards

No harm

### Physical Hazards

No harm

### Environmental Hazards

No harm

### Signal Word

None

### Hazard Symbol

None

### Hazard Statements

Not Applicable

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## 4. First Aid Measures

Eye contact	Rinse carefully with water for minutes. If contact lenses are worn and can be easily removed, remove the contact lenses and continue to rinse.
Skin contact	Wash the skin with water, no medical attention is required.
Inhalation	Not expected to be an inhalation hazard under the expected normal conditions of use for this material. Consult a doctor if necessary.
Ingestion	Not expected to present a significant ingestion hazard under expected normal conditions of use. If you feel unwell, seek medical attention.
Notes to physicians	Treat symptomatically.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media	Water spray, Carbon dioxide (CO <sub>2</sub> ), Foam, Dry powder
Unsuitable extinguishing media	No information available

### Special dangers

Not known

### Firefighters' protective equipment and precautions

Standard procedures for dealing with chemical fires

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## 6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation and always wear personal protective equipment.
Methods for cleaning up	Use inert absorbent material to soak up spill.
Environmental precautions	No special environmental precautions required.

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## 7. Handling and Storage

Precautions for safe handling	Use recommended personal protective equipment. No special handling advice is required.
Conditions for safe storage	Keep container sealed in a dry, cool and well-ventilated place. Keep in properly labeled containers.
Specific use	For research use only. Not for diagnostic use.

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## 8. Exposure Controls/Personal Protection

### Control parameter

Does not contain substances with occupational exposure limits.

### Exposure controls

#### Personal protective equipment

Respiratory protection	In case of insufficient ventilation, use respirators with their components tested and approved under appropriate government standards
Hand Protection	Wear appropriate gloves Glove material: Compatible chemical resistant gloves.
Eye Protection	Tightly sealed goggles
Skin and Body Protection	Wear appropriate protective clothing
Hygiene Measures	Operate in accordance with good industrial hygiene and safety practice
Environmental exposure control	No special environmental precautions required.

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## 9. Physical and Chemical Properties

### General Information

Form	Liquid
Solubility in water	Soluble
Others	No data available

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## 10. Stability and Reactivity

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Reactivity	Not known
Stability	Stable under normal storage conditions
Hazardous reactions	Hazardous reaction has not been reported.
Conditions to avoid	No information available.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Decomposition products	No data available

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## 11. Toxicological Information

### Information on toxicological effects

There is no evidence of acute toxicity.

### Main routes of exposure

Acute Toxicity	Data are conclusive but insufficient for classification
Skin corrosion/ irritation	Data are conclusive but insufficient for classifications eye irritation
Serious eye damage/irritation	Data are conclusive but insufficient for classification
Respiratory or skin allergy	Data are conclusive but insufficient for classification
Specific target organ toxicity(STOT) – single exposure	Data are conclusive but insufficient for classification
Specific target organ toxicity (STOT) – repeated exposure	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

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## 12. Ecological Information

Ecotoxicity	Contains no environmentally hazardous substances or substances that cannot be degraded in wastewater treatment plants.
Carcinogenic effects	No data available
Mobility	No data available
In vivo degradation	No data available
Bioaccumulation	No data available

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## 13. Disposal Considerations

Waste should be avoided or minimized as much as possible. Empty containers or liners may retain some product residues. The substance and its container must be disposed of in accordance with approved disposal techniques. The disposal of the product, its solution or any by-products should refer to relevant national and local regulations. Do not discharge into the sewer, do not discharge waste water into the sewer.

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## 14. Transport Information

Hazard class	No data available
UN number	No data available
Packing group	No data available
Packing method	No data available
Transportation considerations	Package should be intact upon departure. Loading should be handled carefully. During transportation, prevent the containers from leakage, collapse, fall or damage. Transportation combined with oxidants, edible chemicals, etc. is strictly prohibited. It should be protected from exposure to sun light, rain and high temperature during transportation. The vehicle should be thoroughly cleaned after transportation. Road transportation must follow the prescribed route.

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## 15. Regulatory Information

The following laws, regulations and standards have made corresponding provisions on the safe use, storage, transportation, loading and unloading, classification and marking of chemicals: The Production Safety Law of the People's Republic of China (adopted at the 27th meeting of the Standing Committee of the Ninth People's Congress on June 29, 2002); The Environmental Protection Law of the People's Republic of China (adopted at the 11th meeting of the Standing Committee of the Seventh National People's Congress on December 26, 1989)

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## 16. Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation. These recommendations are based on prudent professional judgment. This information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. **Since the Company cannot control the actual methods, quantities, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. The information in this MSDS does not constitute a warranty of marketability or suitability for any particular purpose, expressed or implied.**

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End of Safety Data Sheet