
Material Safety Data Sheet

Revision Date: 14th-Nov-2022



1. Product and Company Information

Product: *TransStem*[®] Chemically Defined Xeno-free Cell Cryopreservation Medium

| | |
|-----------------|----------------------------|
| Cat. No. | MC101-01 |
| Company | TransGen Biotech Co., Ltd. |
| Technical Phone | 400-898-0321 |
| Fax | 010-57815011 |
| E-mail Address | trans@transgen.com.cn |

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

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. |

5. Fire-Fighting Measures

Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | Water spray, Carbon dioxide (CO ₂), 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

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. |

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. |

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. |

9. Physical and Chemical Properties

General Information

| | |
|---------------------|-------------------|
| Form | Liquid |
| Solubility in water | Soluble |
| Others | No data available |

10. Stability and Reactivity

| | |
|------------------------|---|
| 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 |

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 |

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 |

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.

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. |

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)

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.**

End of Safety Data Sheet