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# Material Safety Data Sheet



Revision Date: 1-June-2016

## 1. Product and Company Information

Product Name                      BL21(DE3)pLysS Chemically Competent Cell  
Cat. No.                              CD701  
Company                                TransGen Biotech Co., Ltd.  
Technical Phone                      +86-400-898-0321  
Fax                                        +86-10-57815011  
E-mail Address                        trans@transgen.com.cn

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## 2. Hazards Identification

Not hazardous

### Potential Health effects

**Eyes**                      May cause eye irritation with susceptible persons.  
**Skin**                        May cause skin irritation in susceptible persons.  
**Inhalation**                May be harmful by inhalation.  
**Ingestion**                May be harmful if swallowed.

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## 3. Composition

| Chemical Name | CAS-No  | Weight % |
|---------------|---------|----------|
| Glycerol      | 56-81-5 | 5-10     |

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

## 4. First Aid Measures

General advice                      In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
Eye contact                         Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.  
Skin contact                        Wash off immediately with plenty of water for at least 15 minutes.  
Inhalation                            Move to fresh air.

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Ingestion                      Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Not an expected route of exposure.

Notes to physician      Treat symptomatically.

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## 5. Fire-Fighting Measures

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

Special protective equipment for firefighters      Wear self-contained breathing apparatus and protective suit.

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## 6. Accidental Release Measures

Personal precautions                      Use personal protective equipment.

Methods for cleaning up                      Soak up with inert absorbent material.

Environmental precautions                      Prevent further leakage or spillage if safe to do so.

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## 7. Handling and Storage

Handling                                      Always wear recommended Personal Protective Equipment. No special handling advice required.

Storage                                      Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers

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## 8. Exposure Controls/Personal Protection

Exposure limits:

| Chemical Name | OSHA PEL (TWA)       | OSHA PEL (Ceiling) | ACGIH OEL (TWA)      | ACGIH OEL (STEL) |
|---------------|----------------------|--------------------|----------------------|------------------|
| Glycerol      | 10 mg/m <sup>3</sup> | none               | 10 mg/m <sup>3</sup> | none             |

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## 9. Physical and Chemical Properties

General Information

Form: liquid

Color: transparent

Water solubility: soluble

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Others: No information available.

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## 10. Stability and Reactivity

|                    |                                |
|--------------------|--------------------------------|
| Stability          | Stable under normal conditions |
| Materials to avoid | No information available       |
| Polymerization     | None under normal processing.  |

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## 11. Toxicological Information

| Chemical Name | LD50 (oral, rat/mouse) | LD50 (dermal, rat/rabbit) | LC50 (inhalation, rat/mouse) |
|---------------|------------------------|---------------------------|------------------------------|
| Glycerol      | = 12600 mg/kg Oral     | no data available         | no data available            |

Principle Routes of Exposure/  
Potential Health effects

|                       |  |
|-----------------------|--|
| Eyes                  | May cause eye irritation with susceptible persons. |
| Skin                  | May cause skin irritation in susceptible persons.  |
| Inhalation            | May be harmful if inhalation.                      |
| Ingestion             | May be harmful if swallowed.                       |
| Carcinogenic effects  | none   |
| Mutagenic effects     | none   |
| Reproductive toxicity | none   |
| Sensitization         | none   |

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## 12. Ecological Information

|                     |                           |
|---------------------|---------------------------|
| Ecotoxicity effects | No information available. |
| Mobility            | See log Pow               |
| Biodegradation      | No information available. |
| Bioaccumulation     | No information available. |

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| Chemical Name       | Freshwater Algae Data | Water Flea Data                            | Freshwater Fish Species Data | Microtox Data | log Pow     |
|---------------------|-----------------------|--|------------------------------|---------------|-------------|
| Glycerol<br>56-81-5 |                       | Daphnia species<br>EC50=500<br>mg/L (24 h) |                              |               | logPow-1.76 |

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### 13. Disposal Considerations

Dispose of in accordance with local regulations.

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### 14. Transport Information

|                      |   |
|----------------------|---|
| IATA                 | Not dangerous goods   |
| Proper shipping name | Not classified as dangerous in the meaning of transport regulations |
| Hazard class         | none  |
| Subsidiary Class     | none  |
| Packing group        | none  |
| UN-No                | none  |

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### 15. Regulatory Information

| Chemical Name | TSCA |
|---------------|------|
| Glycerol      | -    |

### 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 and the recommendations are based on prudent application of professional judgment. The 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, volumes, 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, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE

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**End of Safety Data Sheet**