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# Material Safety Data Sheet

Revision Date: 05-Sep-2022



## 1. Product and Company Information

Product Name            TransDetect® Cell LIVE/DEAD Viability/Cytotoxicity Detection Kit  
Cat. No.                 FC301-01  
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. Composition

| Chemical Name                             | CAS No. | EINECS No.<br>(already available in the European inventory) | Concentration or Concentration Range (w/w %) |
|---|---------|---|--|
| Dimethyl Sulfoxide (DMSO)67-68-5 (95-100) | 67-68-5 | 200-664-3   | 95-100                                       |

It is recommended to handle all chemicals with caution.

## 3. Hazards Identification

### Health Hazards

Not Hazardous

### Physical Hazards

|                                  |                   |
|----------------------------------|-------------------|
| GHS Physical harm                | Flammable liquids |
| GHS Physical hazard category no. | Category 4        |

### Environmental Hazards

Not Hazardous

### Signal Word

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Warning

**Hazard Symbol**

None

**Hazard Statements**

H227- Flammable liquids

**Precautionary Measures**

P210-Keep away from heat sources/hot surfaces/sparks/open flames and other ignition sources. No smoking.

P280-Wear protective gloves/protective clothing/protective eye mask/protective mask.

**Response**

P370+P378-In case of fire: use dry sand, chemical powder or soluble foam to extinguish fire.

**Storage**

P403- Store in a well-ventilated area.

**Disposal**

P501- Entrust a qualified waste treatment plant to dispose of the contents/containers.

**Other hazards**

Not Applicable.

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**4. First Aid Measures**

|                |  |
|----------------|--|
| General advice | If you have an accident or feel uncomfortable during operation, please seek medical help immediately (if possible, provide the product label). |
| Eye contact    | Immediately rinse with plenty of running, clean water for at least 15 min before seeking medical attention.                                    |
| Skin contact   | Immediately rinse with plenty of running, clean water for at least 15 min before seeking medical attention.                                    |
| Inhalation     | If inhaled, immediately move to a place with fresh air and seek medical advice.  |
| Ingestion      | Never give anything to an unconscious person through the mouth, and seek medical help immediately.   |

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## 5. Fire-Fighting Measures

### Extinguishing media

Fire extinguishing media: Water spray, Dry powder, Carbon dioxide (CO<sub>2</sub>), Sandy soil,

### Firefighters' protective equipment and precautions

Wear gas mask, wear full fire uniform

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## 6. Accidental Release Measures

Personal precautions Wear a personal protective suit, Including protective clothing and safety protective glasses.

Methods for cleaning up Use inert absorbent material to soak up spill.

Environmental precautions Under the premise of ensuring safety, prevent further seepage and leakage

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## 7. Handling and Storage

Precautions for safe handling Avoid contact with skin, eyes and clothing. In accordance with good industrial hygiene and safety operation methods, it is recommended that operators wear self-priming filter type dust mask, chemical safety protective glasses, anti-toxic penetrant work clothes, and rubber gloves.

Conditions for safe storage Keep container sealed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Prevent direct sunlight.

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## 8. Exposure Controls/Personal Protection

MAC(mg/m<sup>3</sup>) No standards available

PC-TWA(mg/m<sup>3</sup>) No standards available

PC-STEL(mg/m<sup>3</sup>) No standards available

TLV-C(mg/m<sup>3</sup>) No standards available

TLV-TWA(mg/m<sup>3</sup>) No standards available

TLV-STEL(mg/m<sup>3</sup>) No standards available

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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

|                          |  |
|--------------------------|--|
| Stability                | Stable under normal storage conditions   |
| Materials to avoid       | Strong acid, strong oxidant.             |
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Decomposition products   | No data available                        |

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## 11. Toxicological Information

### Information on toxicological effects

|                                      |                   |
|--------------------------------------|-------------------|
| Acute Toxicity                       | No data available |
| Oral-rat LD50 (mg/kg)                | 14500             |
| Dermal-rat LD50 (mg/kg)              | >40000            |
| Subcutaneous-rat LD50 (mg/kg)        | No data available |
| Intravenous-rat LD50 (mg/kg)         | No data available |
| Peritoneal cavity-rat LD50 (mg/kg)   | No data available |
| Oral-mouse LD50 (mg/kg)              | No data available |
| Dermal- mouse LD50 (mg/kg)           | No data available |
| Intravenous-mouse LD50 (mg/kg)       | No data available |
| Peritoneal cavity-mouse LD50 (mg/kg) | No data available |

### Effects of regular exposure

|               |   |
|---------------|---|
| Eye           | Irritating.   |
| Skin          | Product components may be absorbed into the skin, causing mild skin irritation. |
| Inhalation    | Irritating to respiratory system.   |
| Ingestion     | Swallowing may cause damage.  |
| Sensitization | No data available   |

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|                 |                   |
|-----------------|-------------------|
| Mutagenicity    | No data available |
| Teratogenicity  | No data available |
| Carcinogenicity | No data available |

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## 12. Ecological Information

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

Precautions for Abandonment: The disposal of the product, its solution or any by-products should refer to relevant national and local regulations.

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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

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chemicals: The Production Safety Law of the People's Republic of China (adopted at the 28th 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