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# Material Safety Data Sheet

Revision Date: 1-June-2016



## 1. Product and Company Information

Product Name                      Trypsin  
Cat. No.                              FG301  
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

GHS - Classification

Signal Word:                      Danger



Health hazard

Respiratory sensitisation	Category 1
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Hazard statements: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements:

P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician

P284 - Wear respiratory protection

### 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 %
Trypsin	9002-07-7	0.1-1.0

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.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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.
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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: We are not aware of any national exposure limit.

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## 9. Physical and Chemical Properties

General Information

Form: liquid

Water solubility: soluble

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)
Trypsin	> 5 g/kg (Rat)	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 by inhalation.

Ingestion May be harmful if swallowed.

Carcinogenic effects None.

Mutagenic effects None.

Reproductive toxicity None.

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## 12. Ecological Information

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

## 13. Disposal Considerations

Dispose of in accordance with local regulations.

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## 14. Transport Information

IATA

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

International Inventories	Complies
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## 16. Other Information

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

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**End of Safety Data Sheet**