
Material Safety Data Sheet



Revision Date: 20-July-2022

1. Product and Company Information

Product Name Penicillin-Streptomycin (100×)
Cat. No. FG101-01
Company TransGen Biotech Co., Ltd.
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2. Hazards Identification

GHS - Classification

Signal Word: Warning



Health hazard

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Skin sensitisation	Category 1

Hazard statements: H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation
H317 - May cause an allergic skin reaction

Precautionary statements:

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position

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comfortable for breathing
P312 - Call a POISON CENTRE or doctor/physician if you feel unwell
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P264 - Wash hands thoroughly after handling

Potential health effects

Eyes Irritating to eyes.
Skin May cause sensitisation by skin contact. Irritating to skin.
Inhalation May cause irritation of respiratory tract.
Ingestion May be harmful if swallowed.

3. Composition

Chemical Name	CAS-No	Weight %
Streptomycin sulfate	3810-74-0	0.5-1.5
Penicillin	69-57-8	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.

5. Fire-Fighting Measures

Suitable extinguishing media Dry chemical
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

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.

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

8. Exposure Controls/Personal Protection

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

9. Physical and Chemical Properties

General Information

Form: liquid

Water solubility: soluble

Others: No information available.

10. Stability and Reactivity

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

11. Toxicological Information

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Streptomycin sulfate	= 430 mg/kg (Rat)	no data available	no data available
Penicillin	= 6916 mg/kg (Rat)	no data available	no data available

Principle Routes of Exposure/
Potential Health effects

Eyes	Irritating to eyes.
Skin	May cause sensitisation by skin contact Irritating to skin.
Inhalation	May cause irritation of respiratory tract.
Ingestion	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.

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.

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

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