Material Safety Data Sheet

Revision Date: 1-June-2016



1. Product and Company Information

Product Name ProteinRuler® IV (30-200 kDa)

Cat. No. DR401

Company TransGen Biotech Co., Ltd.

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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.

3. Composition

Hazardous/Non-hazardous Components

Chemical Name	CAS-No	Weight %
sodium dodecyl sulfate	151-21-3	1-2.5
Glycerol	56-81-5	10-30

Other components:

Components not listed here are not hazardous or their concentrations do not exceed the limits specified in the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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. Not an expected route of

exposure.

Notes to physician Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media Water spray. Carbon dioxide (CO2). Foam. 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

Precautions for safe handling Avoid contact with skin, eyes and clothing. Handle

in accordance with good industrial hygiene and

safety practice.

Conditions for safe storage Keep in properly labeled containers. Keep in a dry,

cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Exposure limits:

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Sodium Dodecyl	none	none	none	none
Sulfate				
Glycerol	15 mg/m ³total dust 5 mg/m ³respirable fraction	none	none	none

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 Hazardous decomposition No information available

Products polymerization Hazardous polymerisation does not occur

11. Toxicological Information

Acute toxicity - Component Information

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Sodium Dodecyl Sulfate	1288 mg/kg (Rat)	580 mg/kg (Rabbit)	>3900 mg/m ³ (Rat)
Glycerol	12600 mg/kg (Rat)	>21900 mg/kg (Rat)	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 No information available.

Mutagenic effects No information available.

Reproductive toxicity May cause adverse reproductive effects -

such as birth defect, miscarriages, or

infertility Reproductive Category 2

Sensitization No information available.

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	

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