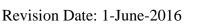
Material Safety Data Sheet





1. Product and Company Information

Product Name	Blue Plus [®] IV Protein Marker (10-180 kDa)
Cat. No.	DM131
Company	TransGen Biotech Co., Ltd.
Technical Phone	+86-400-898-0321
Fax	+86-10-57815011
E-mail Address	trans@transgen.com.cn

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. D chemical)ry
Special protective equipment for firefighters	Wear self-contained breathing apparatus a protective suit.	ind

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 ³ total dust	none	none	none
-	5 mg/m ³ respirable fraction			

9. Physical and Chemical Properties

General Information

Form: liquid

Water solubility: soluble

Others: No information available.

10.Stability and Reactivity

StabilityStable under normal conditionsMaterials to avoidNo information availableHazardous decompositionNo information availableProducts polymerizationHazardous 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.

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 WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE

End of Safety Data Sheet