

Document: CY5463-A  
Release date: Aug 18, 2024

Applies to part numbers:  
CY5463-500, CY5463-2500

## Section 1 Product and company identification

Product code: CY5463      Product name: Tricolor Prestained Protein Ladder 10 kDa~180 kDa (Orange, Green & Blue)

Supplier: YamayBio LLC

Address: 12100 Wilshire boulevard suite 800, Los Angeles, CA, USA

Recommended Use: For research use only.

Restrictions on Use: Not for clinical use. Not for internal use in animals or humans. Not for diagnostic use. Not for household or any other unintended use.

## Section 2 Hazards identification

### EMERGENCY OVERVIEW:

Harmful if swallowed. May cause irritation. Avoid breathing vapors or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

#### HMIS RATING

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

For additional information on toxicity, please refer to Section 11.

## Section 3 Composition/Information on Ingredients

Ingredient	CAS-No.	EINECS-No.	Weight %
Glycerol	56-81-5	200-289-5	40-70
Sodium Dodecyl Sulfate	151-21-3	205-788-1	2-4

The product contains no other substances which, at their given concentration, are considered hazardous to health.

## Section 4 First Aid Measures

ORAL EXPOSURE      If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE      If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE      In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE      In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## Section 5 Fire Fighting Measures

FLASH POINT      N/A

AUTOIGNITION TEMP      N/A

FLAMMABILITY      N/A

EXTINGUISHING MEDIA

    Suitable      Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

    Not suitable      No information available

FIREFIGHTING      Standard procedure for chemical fires.

## **Section 6      Accidental Release Measures**

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES	Ensure adequate ventilation. Always wear recommended personal protective equipment. Use personal protection equipment .
ENVIRONMENTAL PRECAUTIONS	No special environmental precautions required.
METHODS AND MATERIAL FOR CONTAINMENT	Soak up with inert absorbent material.

## **Section 7      Handling and Storage**

SAFE HANDLING	Use personal protective equipment as required. No special handling advices are necessary.
SAFE STORAGE	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

## **Section 8      Exposure Controls / Personal Protection**

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
Hand	Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.
Eye	Tight sealing safety goggles.
Skin and Body	Wear suitable protective clothing.
GENERAL HYGIENE MEASURES	Wash thoroughly after handling.
ENVIRONMENTAL EXPOSURE CONTROLS	No special environmental precautions required.

## **Section 9      Physical and chemical properties**

Appearance Physical State	Liquid
Solvent Content	N/A

## **Section 10      Stability and Reactivity**

STABILITY	Stable under normal conditions.
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### HAZARDOUS DECOMPOSITION PRODUCT

Hazardous Decomposition Products	No dangerous decomposition products known
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### HAZARDOUS POLYMERIZATION

Hazardous Polymerization	No data available.
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## **Section 11      Toxicological Information**

### Information on toxicological effects

Component	Oral LD50	Dermal LD50	Inhalation LC50
Glycerol	=12600 mg/kg	>10g/kg(Rabbit)	>2.75mg/L(Rat)
Sodium Dodecyl Sulfate	= 1288 mg/kg (Rat)	= 200 mg/kg(Rabbit)	>3900mg/m3(Rat)

### ROUTE OF EXPOSURE

Skin Contact	May cause skin irritation.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation.

Inhalation	Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion	May be harmful if swallowed.

#### SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### **Section 12 Ecological Information**

Toxicity	The environmental impact of this product has not been fully investigated.
Persistence and degradability	No further relevant information available.
Bioaccumulative potential	No further relevant information available.
General notes	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	Not Applicable.

### **Section 13 Disposal Considerations**

#### APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Observe all federal, state, and local environmental regulations.

Within the present knowledge of the supplier, this product is not regarded as hazardous waste.

### **Section 14 Transport Information**

IATA / ADR / DOT-US / IMDG	Not regulated in the meaning of transport regulations.
Environmental hazards	N/A
Special precautions for user	N/A
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	N/A

### **Section 15 Regulatory Information**

#### US FEDERAL REGULATIONS

SARA 313	This product is not regulated by SARA.
Clean Air Act, Section 112	
Hazardous Air Pollutants (HAPs) (see 40 CFR 61)	This product does not contain HAPs.

#### US STATE REGULATIONS

California Proposition 65	This product does not contain any Proposition 65 chemicals.
WHMIS Hazard Class	Non-controlled

### **Section 16 Other information**

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The information provided herein has been obtained through diligent research and analysis. The recommendations are based upon the prudent application of professional judgment. This information is not intended to be exhaustive and should be used as a general guideline. All materials and mixtures may present potential hazards, and should be handled with care. As the Company cannot control the specific methods, quantities, or conditions of use, it shall not be liable for any damages or losses resulting from the handling or contact with the product as described herein.

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**End of Safety Data Sheet**