

## SAFETY DATA SHEET

Date Revised: Sep 3, 2021

### SECTION 1: Product and Company Identification

**Product Name:** Triple Color Prestained Protein Ladder (10-180 kD)

**Catalog Number:** P6110S,P6110M,P6110L

**Manufacturer/Supplier:**

UElandy (Suzhou) Co., Ltd.

Room 302-1, Building 1, No.18 Chunyao Road, Caohu Industrial Park, Xiangcheng District, Suzhou, P.R. China

Phone: 86-512-69571710, mailbox:service@uelandy.com

Web: <http://www.uelandy.com>

### SECTION 2: Hazards identification

**GHS Classification**

**Signal word** None

**Health hazards** None

**Physical hazards** None

**Hazard statements** None

**Precautionary statements** None

**GHS hazard pictogram** None

**WHMIS classification** None

**Classification according to Regulation (EC) No 1272/2008[CLP]** None

**Classification according to Directive 1999/45/EC** None

**Labelling according to Regulation (EC) No 1272/2008[CLP]**

**Hazard pictogram** None

**Signal word** None

**Hazard statements** None

**Precautionary statements** None

**HMIS Classification**

Health hazard: 1

Flammability: 1

Physical hazards: 0

**NFPA Rating**

Health hazard: 1

Fire: 1

Reactivity Hazard: 0

## SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

## SECTION 4: First aid measures

### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

### In case of eye contact

Flush eyes with water as a precaution.

### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## SECTION 5: Firefighting measures

### Suitable extinguishing media

Carbon dioxide, dry chemical extinguishers, foam extinguishers or water.

### Special protective equipment for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

## SECTION 6: Accidental release measures

### Personal precautions

Avoid breathing vapors, mist or gas. Remove all sources of ignition.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### Methods and materials for containment and cleaning up

Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

## SECTION 7: Handling and storage

### Precautions for safe handling

Avoid inhalation of vapor or mist.

Avoid direct contact with substance.

### Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

Store at 4°C.

## SECTION 8: Exposure controls/personal protection

### Components with workplace control parameters

Substance Glycerol

CAS no. 56-81-5

country	Austria	Belgium	Denmark	European Union	France	Germany
Limit value, 8 hours	--	10 mg/m <sup>3</sup>	--	--	10 mg/m <sup>3</sup>	50 mg/m <sup>3</sup> inhalable aerosol

Limit value, short term	--	--	--	--	--	100 mg/m <sup>3</sup> inhalable aerosol
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country	Hungary	Italy	Poland	Spain	Sweden	Netherlands	Switzerland
Limit value,8hours	--	--	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	--	--	50 mg/m <sup>3</sup> inhalable aerosol
Limit value, short term	--	--	--	--	--	--	100 mg/m <sup>3</sup> inhalable aerosol

country	United Kingdom	USA- NIOSH	USA- OSHA	Australia	Canada	Japan	South Korea
Limit value,8hours	10 mg/m <sup>3</sup>	--	15 mg/m <sup>3</sup> in inhalable dust 5 mg/m <sup>3</sup> respirable dust	10 mg/m <sup>3</sup> (1)	10 mg/m <sup>3</sup>	--	10 mg/m <sup>3</sup>
Limit value, short term	--	--	--	--	--	--	--

Australia (1) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.

Germany STV 15 minutes average value

## Personal protective equipment

### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## SECTION 9: Physical and chemical properties

Chemical Name	Triple Color Prestained Protein Ladder (10-180 kD)
Appearance	Liquid
Odor	No information available
Odor threshold	No information available
pH	7.5 at 25°C
Melting point/freezing point	No information available
Boiling point	No information available
Flash point	No information available
Evaporate rate	No information available
Flammability	No information available

Explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility	No information available
Partition coefficient:n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

## SECTION 10: Stability and reactivity

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available

### Conditions to avoid

No data available

### Materials to avoid

No data available

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - no data available

## SECTION 11: Toxicological information

### Acute toxicity

Chemical Name	LD50 (oral) rat	LD50 (dermal) rabbit	LC50 (inhalation)
Glycerol	12,600 mg/kg	21,900 mg/kg	1 hr >570 mg/m3

**Other information on acute toxicity** no data available

**Skin corrosion/irritation** no data available

**Serious eye damage/eye irritation** no data available

**Respiratory or skin sensitization** no data available

**Germ cell mutagenicity** no data available

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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**Reproductive toxicity** TDL (rat) - Route: Oral; Dose: 100 mg/kg 1 day prior to mating. TDL (human) - Route: Oral; Dose: 1428 mg/kg

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Potential health effects**

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

**Additional Information**

RTECS: MA8050000

## SECTION 12: Ecological information

**Toxicity Ecotoxicity in water (LC50):** 58.5 ppm 96 hours (Trout)

**Persistence and degradability** no information available

**Biodegradation** no information available

**Mobility in soil** no information available

**Results of PBT and vPvB assessment** no information available

**Other adverse effects** no information available

**Additional information** no information available

## SECTION 13: Disposal considerations

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

## SECTION 14: Transport information

**IATA, IMDG, DOT (US), TDG** not dangerous good during transportation

**UN number** none

**UN proper shipping name** none

**Transport hazard class** none

**Packing group** none

**Environmental hazards** none

**Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code** None

**Special precaution for user** none

## SECTION 15: Regulatory information

**US Federal Regulations**

Us Toxic Substances Control Act (TSCA): Not listed

SARA 302: No chemicals were found.

SARA 313: No chemicals were found.

SARA 311/312 Hazards : No chemicals were found.

**WHMIS classification** None

## SECTION 16: Other information

**Reason for revision** SDS sections updated

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For research use only. Not for use in diagnostic procedures.

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