Safety data sheet

Prestained Protein Markers (PM11 / PM12)

Product name Prestained Protein Marker II / Prestained Protein Marker	Catalog no. PM11 / PM12
Synonyms -	Revision date PM11: - | PM12: 09 April 2022
CAS no. -	Document version / date 1.0 / 26 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	PM11: Prestained Protein Marker II; PM12: Prestained Protein Marker
Product code	PM11 / PM12
CAS number	-
EC number	-
Recommended use	For research use only. Not intended for diagnostic or therapeutic use.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Not classified as hazardous under Regulation (EC) No. 1272/2008 (CLP) for PM11 or PM12.
Label elements	No GHS hazard pictograms, signal word or hazard statements required.
Symbols / pictograms	None
Signal word	None
Hazard statements	Not applicable
Precautionary statements - Prevention	Not applicable; use standard laboratory PPE and hygiene.
Precautionary statements - Response	Not applicable; rinse exposed skin or eyes with water.
Other hazards	None known.

Composition & response

Prestained Protein Markers (PM11 / PM12) | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	PM11: Prestained Protein Marker II; PM12: Prestained Protein Marker
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Mixture statement	Liquid mixture of glycerol (CAS 56-81-5), water (CAS 7732-18-5) and protein. Reported lower bounds are >50%, >49% and >1%, respectively.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.
Skin contact	Rinse affected skin with water. Immediate medical attention is generally not required.
Inhalation	Not expected to pose an inhalation hazard under normal handling. Seek medical advice if needed.
Ingestion	Not expected to present a significant ingestion hazard under normal use. Seek medical advice if unwell.
Self-protection of first aider	Use appropriate personal protective equipment.
Most important symptoms / effects	No specific acute or delayed symptoms identified.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide (CO2), foam or dry chemical.
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	No specific chemical fire hazards known.
Explosion data	No data on sensitivity to mechanical impact or static discharge.
Advice for firefighters	Follow standard procedures for chemical fires; wear suitable protective equipment.

Safe use & protection

Prestained Protein Markers (PM11 / PM12) | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation and wear recommended personal protective equipment.
Environmental precautions	No special environmental precautions required.
Methods and materials for containment and cleaning up	Absorb liquid with an inert absorbent material. Collect in suitable labelled containers.
Reference to other sections	Refer to Section 8 for PPE and Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Use appropriate PPE and good laboratory hygiene. Avoid eating, drinking or smoking during use.
Conditions for safe storage	Keep containers tightly closed, properly labelled, cool, dry and well ventilated; away from incompatible materials.
Container labeling	Keep properly labelled and closed when not in use.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No ingredients with established occupational exposure limit values are identified.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Follow good laboratory hygiene. Do not eat, drink or smoke when using the product; wash hands after handling.
Eye / face protection	Wear tight-sealing safety goggles.
Hand protection	Wear suitable chemical-resistant protective gloves.
Skin and body protection	Wear a laboratory coat or suitable protective clothing.
Respiratory protection	Use suitable approved respiratory protection if ventilation is inadequate.

Material properties

Prestained Protein Markers (PM11 / PM12) | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	Stable under usual conditions.
Chemical stability	Stable in a cool, dry place.
Possibility of hazardous reactions	No hazardous reactions reported.
Conditions to avoid	No information available.
Incompatible materials	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products	No data available.

Health & environment

Prestained Protein Markers (PM11 / PM12) | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No evidence available indicating acute toxicity.
Skin corrosion / irritation	Available data are insufficient for classification.
Serious eye damage / eye irritation	Available data are insufficient for classification.
Carcinogenicity	Available data are insufficient for classification.
Reproductive toxicity	Available data are insufficient for classification.
STOT - SE	Available data are insufficient for classification.
STOT - RE	Available data are insufficient for classification.
Aspiration hazard	Available data are insufficient for classification.

11.2 Potential health effects

Ingestion: Data insufficient for classification.
Inhalation: Data insufficient for classification.
Skin: Data insufficient for classification.
Eyes: Data insufficient for classification.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No ingredients known to be hazardous to the environment or resistant to wastewater treatment.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No components assessed as PBT or vPvB.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Use a licensed professional waste disposal service where appropriate; follow applicable local and national regulations.
Contaminated packaging	Dispose of as unused product. Do not reuse empty containers.

Transport & reference

Prestained Protein Markers (PM11 / PM12) | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
DOT (US)	-	Not regulated as dangerous goods	-	-	No
IMDG	-	Not regulated as dangerous goods	-	-	No
IATA	-	Not regulated as dangerous goods	-	-	No

Special precautions for user	Non-hazardous for US ground/air transport; IMDG not regulated. ADR/RID classification requires separate confirmation.
Transport in bulk (MARPOL / IBC)	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	No SVHC, REACH Annex XIV authorisation or REACH Annex XVII restriction identified in the listed regulatory entries.
Environmental hazards	Not applicable.
Chemical Safety Assessment	No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and toxic
ADR	European Agreement concerning the international carriage of Dangerous goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail