Sigma-Aldrich

## SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Version 8.4 Revision Date 20.02.2025 Print Date 03.05.2025 GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

## **SECTION 1:** Identification of the substance/mixture and of the company/undertaking

#### **1.1 Product identifiers**

Product name: Human MCP-1 ELISA (5 pack bulk)Product Number: EZMCP1Catalogue No.: 9Z6183Brand: MilliporeREACH No.:

## **1.2** Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Biochemical research/analysis

## **1.3** Details of the supplier of the safety data sheet

:

Company

## 1.4 Emergency telephone

Emergency Phone # : +(44)-870-8200418 (CHEMTREC (GB)) +(353)-19014670 (CHEMTREC Ireland) 001-803-017-9114 (CHEMTREC India)

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

## **SECTION 2: Hazards identification**

2.1	<b>Classification of the substance or</b> Corrosive to Metals, (Category 1)	<b>mixture</b> H290: May be corrosive to metals.
	Acute toxicity, (Category 4)	H302: Harmful if swallowed.
	Acute toxicity, (Category 4)	H332: Harmful if inhaled.
	Acute toxicity, (Category 4)	H312: Harmful in contact with skin.
	Serious eye damage, (Category 1)	H318: Causes serious eye damage.
	Skin sensitization, (Category 1)	H317: May cause an allergic skin reaction.
	Specific target organ toxicity - repeated exposure, (Category 2),	H373: May cause damage to organs through prolonged or repeated exposure.

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Long-term (chronic) aquatic hazard, (Category 3)

H412: Harmful to aquatic life with long lasting effects.

## 2.2 Label elements

## Labelling according Regulation (EC) No 1272/2008

Pictogram

Signal Word	Danger
Hazard Statements H290 H302 + H312 + H332 H317 H318 H373	May be corrosive to metals. Harmful if swallowed, in contact with skin or if inhaled. May cause an allergic skin reaction. Causes serious eye damage. May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
Precautionary Statements P273 P280	Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/ attention if you feel unwell.
Supplemental Hazard Statements	none

Statements

## Reduced Labeling (<= 125 ml)

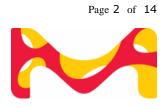
Pictogram



Signal Word	Danger
Hazard Statements H317 H318 H412	May cause an allergic skin reaction. Causes serious eye damage. Harmful to aquatic life with long lasting effects.
Precautionary Statements P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard Statements	none

## 2.3 Other hazards - none

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## SECTION 3: Composition/information on ingredients

Refer to component SDS

## SECTION 4: First aid measures

Refer to component SDS

## SECTION 5: Firefighting measures

Refer to component SDS

#### **SECTION 6: Accidental release measures**

Refer to component SDS

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

#### Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

#### **Hygiene measures**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

No metal containers. Tightly closed.

Recommended storage temperature see product label.

#### Storage class

Storage class (TRGS 510): 8A: Combustible, corrosive hazardous materials

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

#### SECTION 8: Exposure controls/personal protection

Refer to component SDS

#### **SECTION 9: Physical and chemical properties**

Refer to component SDS

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## **SECTION 10: Stability and reactivity**

Refer to component SDS

## **SECTION 11: Toxicological information**

Refer to component SDS

## **SECTION 12: Ecological information**

Refer to component SDS

#### **SECTION 13: Disposal considerations**

Refer to component SDS

SECTION 14: Transport informat	SECTION 14: Transport information								
<b>14.1 UN number</b> ADR/RID: 3316	IMDG: 3316	IATA: 3316							
<b>14.2 UN proper shipping name</b> ADR/RID: CHEMICAL KIT IMDG: CHEMICAL KIT IATA: Chemical kit									
14.3 Transport hazard class(es) ADR/RID: 9	IMDG: 9	IATA: 9							
14.4 Packaging group ADR/RID: III	IMDG: III	IATA: III							
14.5 Environmental hazards ADR/RID: no	IMDG Marine pollutant: no	IATA: no							
14.6 Special precautions for use	r								
Further information :	No data available								
14.7 Maritime transport in bulk according to IMO instruments									

#### **14.7 Maritime transport in bulk according to IMO instruments** Not applicable for product as supplied.

## SECTION 15: Regulatory information

# **15.1** Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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## Refer to component SDS

## **15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

ion		
Millipore	Е8099-К	Acute Tox. 4; Eye Dam. 1; STOT RE 2; Aquatic Chronic 3; H302 + H312 + H332, H318, H373, H412
Millipore	Е6099-1-К	Acute Tox. 4; Eye Dam. 1; STOT RE 2; Aquatic Chronic 3; H302 + H312 + H332, H318, H373, H412
Millipore	Е6099-2-К	Acute Tox. 4; Eye Dam. 1; STOT RE 2; Aquatic Chronic 3; H302 + H312 + H332, H318, H373, H412
Millipore	Е6099-3-К	Eye Irrit. 2; H319
Millipore	EAB099	Eye Irrit. 2; H319
Millipore	SD-099	Eye Irrit. 2; H319
Millipore	E1099	Eye Irrit. 2; H319
Millipore	EP99	
Millipore	EHRP-99	Skin Sens. 1; H317
Millipore	ED-099	Skin Sens. 1; H317
Millipore	ET-TMB99	Met. Corr. 1; H290
Millipore	EWB-HRP99	
Millipore	ESS-TMB99	
	Millipore Millipore Millipore Millipore Millipore Millipore Millipore Millipore Millipore Millipore Millipore Millipore Millipore	MilliporeE8099-KMilliporeE6099-1-KMilliporeE6099-2-KMilliporeE6099-3-KMilliporeEAB099 SD-099 E1099MilliporeEAB099 SD-099 E1099MilliporeEP99MilliporeEHRP-99 ED-099 ET-TMB99 EWB-HRP99

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## Full text of other abbreviations

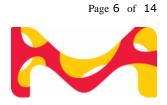
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM -American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. -Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS -Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

<b>Classification of t</b>	<b>Classification procedure:</b>	
Met. Corr.1	H290	Calculation method
Acute Tox.4	H302	Calculation method
Acute Tox.4	H332	Calculation method
Acute Tox.4	H312	Calculation method
Eye Dam.1	H318	Calculation method
Skin Sens.1	H317	Calculation method
STOT RE2	H373	Calculation method
Aquatic Chronic3	H412	Calculation method

#### **Further information**

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact

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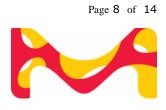
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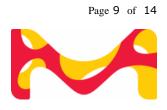
## **Kit Components:**

Human MCP-1 Standard						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information	
Millipore - E8099-K		Danger	Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye damage. May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.	Avoid release to the environment. IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/ attention if you feel unwell.		



Human MCP-1 Quality Control 1						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information	
Millipore - E6099-1-K		Danger	Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye damage. May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.	Avoid release to the environment. IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/ attention if you feel unwell.		

Human MCP-1 Quality Control 2					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - E6099-2-K		Danger	Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye damage. May cause damage to organs	Avoid release to the environment. IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel	



	(Respiratory Tract) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.	unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/ attention if you	
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Human MCP-1 Quality Control 3						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
Millipore -		Warning	Causes serious	Wash skin		
E6099-3-K			eye irritation.	thoroughly after		
	•			handling. IF IN		
				EYES: Rinse		
				cautiously with		
				water for		
				several minutes.		
				Remove contact		
				lenses, if		
				present and		
				easy to do.		
				Continue		
				rinsing. Wear		
				eye protection/		
				face protection.		
				If eye irritation		
				persists: Get		
				medical advice/		
				attention.		

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Assay Buffer					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore -		Warning	Causes serious	Wash skin	
EAB099			eye irritation.	thoroughly after	
	· ·			handling. IF IN	
				EYES: Rinse	
				cautiously with	
				water for	
				several minutes.	
				Remove contact	
				lenses, if	
				present and	
				easy to do. Continue	
				rinsing. Wear	
				eye protection/	
				face protection.	
				If eye irritation	
				persists: Get	
				medical advice/	
				attention.	

Standard Dilu	ent				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore - SD- 099	•	Warning	Causes serious eye irritation.	Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye protection/ face protection. If eye irritation persists: Get medical advice/ attention.	

Human MCP-1 detection antibody						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
Millipore -		Warning	Causes serious	Wash skin		
E1099			eye irritation.	thoroughly after		
	•			handling. IF IN		
				EYES: Rinse		
				cautiously with		
				water for		

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several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye protection/
face protection. If eye irritation persists: Get medical advice/ attention.

Human MCP-	Human MCP-1 ELISA plate						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information		
Millipore - EP99					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.		

Enzyme Solut	ion (100X)				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - EHRP-99		Warning	May cause an allergic skin reaction.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF ON SKIN: Wash with plenty of water. Contaminated work clothing should not be allowed out of the workplace. If skin irritation or rash occurs: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	



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<b>Enzyme Solut</b>	ion Diluent				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore - ED- 099	1	Warning	May cause an allergic skin reaction.	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. IF ON SKIN: Wash with plenty of water. Contaminated work clothing should not be allowed out of the workplace. If skin irritation or rash occurs: Get medical advice/ attention. Wear protective gloves. Take off contaminated clothing and wash it before reuse.	

<b>Stop Solution</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - ET- TMB99	A A A A A A A A A A A A A A A A A A A	Warning	May be corrosive to metals.	Keep only in original packaging. Absorb spillage to prevent material damage.	

10X HRP Was	10X HRP Wash Buffer for ELISA						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier	_	Word	Statements	Statements	information		
Millipore -					Not a hazardous		
EWB-HRP99					substance or		
					mixture		
					according to		
					Regulation (EC)		
					No 1272/2008.		

Substrate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - ESS-TMB99					No hazard pictogram, no signal word, no hazard

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	statement(s), no precautionary statement(s) required.
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