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 | Classification of the substance or Corrosive to Metals, (Category 1) | mixture 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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Page 1 of 14

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)

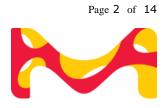
Pictogram



| 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

Millipore- EZMCP1



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

Millipore- EZMCP1





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 | | | | | | | | |
|--|-----------------------------------|------------|--|--|--|--|--|--|--|
| 14.1 UN number ADR/RID: 3316 | IMDG: 3316 | IATA: 3316 | | | | | | | |
| 14.2 UN proper shipping name 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.

Millipore- EZMCP1

Page 4 of 14



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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Page 5 of 14

Full text of other abbreviations

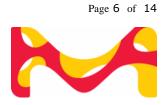
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM -American Society for the Testing of Materials; bw - Body 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

| Classification of t | Classification procedure: | |
|----------------------------|----------------------------------|--------------------|
| 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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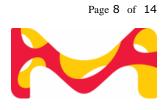
Page 7 of 14

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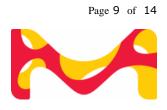
Kit Components:

| 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 | |
|--|--|---|--|
|--|--|---|--|

| 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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Page 10 of 14

| 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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Page 11 of 14

| 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. | |



Page 12 of 14

| Enzyme Solut | 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. | |

| Stop Solution | | | | | |
|--------------------------|---------------------------------------|----------------|-----------------------------------|--|--------------------------|
| 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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Page 13 of 14

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

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Page 14 of 14