



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 8.6  
Revision Date 20.02.2025  
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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 Amyloid  $\beta$  40 High Sensitive (HS)  
ELISA

Product Number : EZHS40  
Catalogue No. : 6D9819  
Brand : Millipore  
REACH No. :

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

Identified uses : Reagent for analysis

### 1.3

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### 1.4 Emergency telephone

Emergency Phone # : 000 800 1007 141 (CHEMTREC)

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 mixture

Corrosive to Metals, (Category 1) H290: May be corrosive to metals.

Skin sensitization, (Category 1) H317: May cause an allergic skin reaction.

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

Warning

### Hazard Statements

H290

May be corrosive to metals.

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

### Precautionary Statements

P234

Keep only in original packaging.

P261

Avoid breathing mist or vapors.

P272

Contaminated work clothing should not be allowed out of the workplace.

P273

Avoid release to the environment.

P280

Wear protective gloves.

P302 + P352

IF ON SKIN: Wash with plenty of water.

### Supplemental Hazard Statements

none

## Reduced Labeling (<= 125 ml)

### Pictogram

### Signal Word

Warning

### Hazard Statements

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

### Precautionary Statements

P261

Avoid breathing mist or vapors.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves.

P302 + P352

IF ON SKIN: Wash with plenty of water.

### Supplemental Hazard Statements

none

## 2.3 Other hazards - none

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## SECTION 3: Composition/information on ingredients

Refer to component SDS

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## SECTION 4: First aid measures

Refer to component SDS

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## SECTION 5: Firefighting measures

Refer to component SDS

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**SECTION 6: Accidental release measures**

Refer to component SDS

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

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

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

Refer to component SDS

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**SECTION 9: Physical and chemical properties**

Refer to component SDS

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**SECTION 10: Stability and reactivity**

Refer to component SDS

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**SECTION 11: Toxicological information**

Refer to component SDS

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**SECTION 12: Ecological information**

Refer to component SDS

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**SECTION 13: Disposal considerations**

Refer to component SDS

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**SECTION 14: Transport information****14.1 UN number**

ADR/RID: 1789

IMDG: 1789

IATA: 1789

**14.2 UN proper shipping name**

ADR/RID: HYDROCHLORIC ACID, SOLUTION

IMDG: HYDROCHLORIC ACID, SOLUTION

IATA: Hydrochloric acid, SOLUTION

**14.3 Transport hazard class(es)**

ADR/RID: 8

IMDG: 8

IATA: 8

**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 user**

Tunnel restriction code : (E)

Further information : No data available

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable for product as supplied.

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**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.

Refer to component SDS

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

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**SECTION 16: Other information****Kit Components:**

|                                                |               |          |                                             |
|------------------------------------------------|---------------|----------|---------------------------------------------|
| Enzyme Conjugate (100X)                        | Millipore     | 0EC      | Skin Sens. 1; H317                          |
| Enzyme Conjugate Diluent                       | Sigma-Aldrich | 0ED      | Skin Sens. 1; Aquatic Chronic 3; H317, H412 |
| Human Amyloid $\beta$ 40 Quality Controls 1,2  | Sigma-Aldrich | 0QC      |                                             |
| Synthetic Amyloid $\beta$ 1-40 Standard        | Millipore     | 0STM     |                                             |
| Human Amyloid $\beta$ 40 ELISA MicrotiterPlate | Millipore     | 3TS      |                                             |
| Substrate Solution                             | Millipore     | ES-MLSG  |                                             |
| Stop Solution (12 ml)                          | Millipore     | ET-TMB-M | Met. Corr. 1; H290                          |
| Antibody Conjugate (100X)                      | Sigma-Aldrich | HSAC     | Skin Sens. 1; Aquatic Chronic 3; H317, H412 |
| Antibody Conjugate                             | Millipore     | HSAD     | Skin Sens. 1; Aquatic Chronic 3;            |

|                             |           |    |                                             |
|-----------------------------|-----------|----|---------------------------------------------|
| Diluent                     |           |    | H317, H412                                  |
| Standard and Sample Diluent | Millipore | SD | Skin Sens. 1; Aquatic Chronic 3; H317, H412 |
| Washing Solution            | Millipore | WS |                                             |

### 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 the mixture

|                  |      |
|------------------|------|
| Met. Corr.1      | H290 |
| Skin Sens.1      | H317 |
| Aquatic Chronic3 | H412 |

### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| 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 with the above product. See [www.sigma-aldrich.com](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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## Kit Components:

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

| Enzyme Conjugate Diluent |           |             |                                                                                            |                                                                                                                                                                                                                                                                                               |                          |
|--------------------------|-----------|-------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Product identifier       | Pictogram | Signal Word | Hazard Statements                                                                          | Precautionary Statements                                                                                                                                                                                                                                                                      | Supplemental information |
| Sigma-Aldrich - OED      |           | Warning     | May cause an allergic skin reaction.<br>Harmful to aquatic life with long lasting effects. | Avoid breathing mist or vapors.<br>IF ON SKIN:<br>Wash with plenty of water.<br>Contaminated work clothing should not be allowed out of the workplace.<br>If skin irritation or rash occurs:<br>Get medical advice/attention.<br>Avoid release to the environment.<br>Wear protective gloves. |                          |

| <b>Human Amyloid <math>\beta</math> 40 Quality Controls 1,2</b> |           |             |                   |                          |                                                                                                      |
|-----------------------------------------------------------------|-----------|-------------|-------------------|--------------------------|------------------------------------------------------------------------------------------------------|
| Product identifier                                              | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information                                                                             |
| Sigma-Aldrich - 0QC                                             |           |             |                   |                          | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| <b>Synthetic Amyloid <math>\beta</math> 1-40 Standard</b> |           |             |                   |                          |                                                                                 |
|-----------------------------------------------------------|-----------|-------------|-------------------|--------------------------|---------------------------------------------------------------------------------|
| Product identifier                                        | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information                                                        |
| Millipore - 0STM                                          |           |             |                   |                          | Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. |

| <b>Human Amyloid <math>\beta</math> 40 ELISA MicrotiterPlate</b> |           |             |                   |                          |                                                                                 |
|------------------------------------------------------------------|-----------|-------------|-------------------|--------------------------|---------------------------------------------------------------------------------|
| Product identifier                                               | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information                                                        |
| Millipore - 3TS                                                  |           |             |                   |                          | Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. |

| <b>Substrate Solution</b> |           |             |                   |                          |                                                                                                      |
|---------------------------|-----------|-------------|-------------------|--------------------------|------------------------------------------------------------------------------------------------------|
| Product identifier        | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information                                                                             |
| Millipore - ES-MLSG       |           |             |                   |                          | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

| <b>Stop Solution (12 ml)</b> |           |             |                             |                                                                              |                          |
|------------------------------|-----------|-------------|-----------------------------|------------------------------------------------------------------------------|--------------------------|
| Product identifier           | Pictogram | Signal Word | Hazard Statements           | Precautionary Statements                                                     | Supplemental information |
| Millipore - ET-TMB-M         |           | Warning     | May be corrosive to metals. | Keep only in original packaging. Absorb spillage to prevent material damage. |                          |

| <b>Antibody Conjugate (100X)</b> |           |             |                                                                                            |                                                                                                                                                                                                                                                                                                   |                          |
|----------------------------------|-----------|-------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Product identifier               | Pictogram | Signal Word | Hazard Statements                                                                          | Precautionary Statements                                                                                                                                                                                                                                                                          | Supplemental information |
| Sigma-Aldrich - HSAC             |           | Warning     | May cause an allergic skin reaction.<br>Harmful to aquatic life with long lasting effects. | Avoid breathing mist or vapors.<br>IF ON SKIN:<br>Wash with plenty of water.<br>Contaminated work clothing should not be allowed out of the workplace.<br>If skin irritation or rash occurs:<br>Get medical advice/<br>attention.<br>Avoid release to the environment.<br>Wear protective gloves. |                          |

| <b>Antibody Conjugate Diluent</b> |           |             |                                                                                            |                                                                                                                                                                                                                                                                                                   |                          |
|-----------------------------------|-----------|-------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Product identifier                | Pictogram | Signal Word | Hazard Statements                                                                          | Precautionary Statements                                                                                                                                                                                                                                                                          | Supplemental information |
| Millipore - HSAD                  |           | Warning     | May cause an allergic skin reaction.<br>Harmful to aquatic life with long lasting effects. | Avoid breathing mist or vapors.<br>IF ON SKIN:<br>Wash with plenty of water.<br>Contaminated work clothing should not be allowed out of the workplace.<br>If skin irritation or rash occurs:<br>Get medical advice/<br>attention.<br>Avoid release to the environment.<br>Wear protective gloves. |                          |

| <b>Standard and Sample Diluent</b> |           |             |                                      |                                                |                          |
|------------------------------------|-----------|-------------|--------------------------------------|------------------------------------------------|--------------------------|
| Product identifier                 | Pictogram | Signal Word | Hazard Statements                    | Precautionary Statements                       | Supplemental information |
| Millipore - SD                     |           | Warning     | May cause an allergic skin reaction. | Avoid breathing mist or vapors.<br>IF ON SKIN: |                          |

|  |  |  |                                                    |                                                                                                                                                                                                                               |  |
|--|--|--|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  |  |  | Harmful to aquatic life with long lasting effects. | 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. Avoid release to the environment. Wear protective gloves. |  |
|--|--|--|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| Washing Solution   |           |             |                   |                          |                                                                                 |
|--------------------|-----------|-------------|-------------------|--------------------------|---------------------------------------------------------------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information                                                        |
| Millipore - WS     |           |             |                   |                          | Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. |

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