

• SAFETY DATA SHEET

Version 8.13
Revision Date 01/28/2026
Print Date 01/29/2026

SECTION 1. IDENTIFICATION

1.1 Product identifiers

Product name : Human Pancreatic Polypeptide (PP) ELISA
Product Number : EZHPP40K
Catalogue No. : 6D9824
Brand : Millipore

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

Identified uses : Reagent for analysis

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 SPRUCE ST
ST. LOUIS MO 63103
UNITED STATES
Telephone : +1 314 771-5765
Fax : +1 800 325-5052

1.4 Emergency telephone number

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-
527-3887 CHEMTREC (International) 24
Hours/day; 7 Days/week

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.

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SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Hazards for the product as supplied

Corrosive to metals : Category 1
Acute toxicity (Oral) : Category 4
Acute toxicity (Inhalation) : Category 4

Acute toxicity (Dermal) : Category 3

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitisation : Category 1

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

Specific target organ toxicity - repeated exposure (Oral) : Category 2 (Brain)

Short-term (acute) aquatic hazard : Category 3

Long-term (chronic) aquatic hazard : Category 3

Other hazards

None known.

GHS label elements

Hazard pictograms : 

Signal word : Danger

Hazard statements : H290 May be corrosive to metals.
H302 + H332 Harmful if swallowed or if inhaled.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
P234 Keep only in original packaging.
P260 Do not breathe mist or vapours.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed

out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

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.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.

P390 Absorb spillage to prevent material damage.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P406 Store in a corrosion resistant container with a resistant inner liner.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

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

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SECTION 7. HANDLING AND STORAGE

For precautions see section 2.2.

- Advice on safe handling : Work under hood. Do not inhale substance/mixture.
Avoid generation of vapours/aerosols.
- Conditions for safe storage : No metal containers.
- Further information on storage conditions : Tightly closed.
Keep in a well-ventilated place.
Keep locked up or in an area accessible only to qualified or authorised persons.
- Storage class : 6.1C, Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects
- Recommended storage temperature : Recommended storage temperature see product label.
- Further information on storage stability : Recommended storage temperature see product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to component SDS

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component SDS

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

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SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No. : UN 3316
Proper shipping name : Chemical kit
Class : 9
Packing group : III
Labels : Class 9 - Miscellaneous dangerous substances and articles
Packing instruction (cargo : 960
aircraft)
Packing instruction : 960
(passenger aircraft)

IMDG-Code

UN number : UN 3316
Proper shipping name : CHEMICAL KIT

Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-P
Marine pollutant : no

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

National Regulations

49 CFR Road

UN/ID/NA number : UN 3316
Proper shipping name : Chemical kits

Class : 9
Packing group : III
Labels : Class 9 - Miscellaneous dangerous substances and articles
ERG Code : 171
Marine pollutant : no

Poison Inhalation Hazard : No

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

SECTION 16. OTHER INFORMATION

Kit Components:

Human PP Detection Antibody f/ELISA (12ml).	Sigma-Aldrich	E1040
ELISA Human PP Quality Control 1,2 Lyophilized (0.25ml/vial).	Sigma-Aldrich	E6040K
Human PP Standard for ELISA lyophilized (0.25ml)	Millipore	E8040K
Assay Buffer (40ml)	Millipore	EAB-P
Enzyme Solution (12 ml)	Millipore	EHRP-3
Matrix Solution (1 ml)	Millipore	EMTXPP
Human Pancreatic Polypeptide (PP) ELISA Microtiter Plate	Sigma-Aldrich	EP40
Substrate (TMB) (12 ml)	Millipore	ESS-TMB
Stop Solution (12 ml)	Millipore	ET-TMB-M
10X HRP Wash Buffer	Millipore	EWB-HRP

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); EC_x - Concentration associated with x% response; EHS - Extremely Hazardous Substance; EL_x - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErC_x - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Millipore - EZHPP40K

Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; 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

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 and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Revision Date : 01/28/2026

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

US / EN


Kit Components:

Human PP Detection Antibody f/ELISA (12ml).					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma-Aldrich - E1040					Not a hazardous substance or mixture.

ELISA Human PP Quality Control 1,2 Lyophilized (0.25ml/vial).					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma-Aldrich - E6040K		Danger	<p>Harmful if swallowed or if inhaled.</p> <p>Toxic in contact with skin.</p> <p>Causes skin irritation.</p> <p>Causes serious eye irritation.</p> <p>May cause respiratory irritation.</p> <p>May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed.</p> <p>Harmful to aquatic life with long lasting effects.</p>	<p>Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.</p> <p>IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/ container to an approved waste disposal plant. Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. Store locked up. Do not eat, drink or smoke when using this product. IF INHALED:</p>	

				<p>Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Use only outdoors or in a well-ventilated area.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Avoid release to the environment. Get medical advice/ attention if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.</p>	
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Human PP Standard for ELISA lyophilized (0.25ml)

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - E8040K		Danger	<p>Harmful if swallowed or if inhaled.</p> <p>Toxic in contact with skin.</p> <p>Causes skin irritation.</p> <p>Causes serious eye irritation.</p> <p>May cause respiratory irritation.</p> <p>May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed.</p> <p>Harmful to aquatic life with long lasting effects.</p>	<p>Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.</p> <p>IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/ container to an approved waste disposal plant. Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. Store locked up. Do not eat, drink or smoke when using this product. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Use only outdoors or in a well-ventilated area. IF IN EYES: Rinse cautiously with water for</p>	


Millipore - EZHPP40K

				<p>several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Avoid release to the environment. Get medical advice/ attention if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.</p>	
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Assay Buffer (40ml)


Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - EAB-P					Not a hazardous substance or mixture.

Enzyme Solution (12 ml)

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - EHRP-3		Warning	May cause an allergic skin reaction.	Avoid breathing mist or vapours. IF ON SKIN: Wash with plenty of water. Dispose of contents/ container to an	


				approved waste disposal plant. Contaminated work clothing must 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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Matrix Solution (1 ml)

Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - EMTXPP		Warning	Harmful in contact with skin. May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed. Harmful to aquatic life with long lasting effects.	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. Dispose of contents/ container to an approved waste disposal plant. Avoid release to the environment. Get medical advice/ attention if you feel unwell. Wear protective gloves/ protective clothing. Wash contaminated clothing before reuse.	

Human Pancreatic Polypeptide (PP) ELISA Microtiter Plate					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma-Aldrich - EP40					Not a hazardous substance or mixture.

Substrate (TMB) (12 ml)					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - ESS-TMB					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Stop Solution (12 ml)					
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. Store in a corrosion resistant container with a resistant inner liner.	

10X HRP Wash Buffer					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Millipore - EWB-HRP					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.