

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 8.3  
Revision Date 29.08.2023  
Print Date 22.04.2025  
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 : MILLIPLEX® Human Metabolic Hormone Expanded Panel v3

Product Number : HMH3-34K

Catalogue No. : 9Z6773

Brand : Millipore

REACH No. : This product is a mixture. REACH Registration Number see section 3.

### 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 mixture

#### Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302  
Acute toxicity, Inhalation (Category 4), H332  
Acute toxicity, Dermal (Category 3), H311  
Eye irritation (Category 2), H319  
Skin sensitization (Category 1), H317  
Long-term (chronic) aquatic hazard (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label elements

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

Millipore- HMH3-34K

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Pictogram



Signal Word

Danger

Hazard statement(s)

H302 + H332

Harmful if swallowed or if inhaled.

H311

Toxic in contact with skin.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H411

Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P273

Avoid release to the environment.

P280

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

P301 + P312

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

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.

Supplemental Hazard Statements

none

### Reduced Labeling (<= 125 ml)

Pictogram



Signal Word

Danger

Hazard statement(s)

H311

Toxic in contact with skin.

H317

May cause an allergic skin reaction.

Precautionary statement(s)

P302 + P352 + P312

IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell.

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****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**

Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

**Storage stability**

Recommended storage temperature  
2 - 8 °C

**Storage class**

Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

**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: 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 user**

Further information : No data available

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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



## SECTION 16: Other information

### Kit Components:

10X Wash Buffer - MILLIPLEX	Millipore	L-WB	Skin Sens. 1; Aquatic Chronic 2; H317, H411
Assay Buffer	Millipore	LE-ABGLP3	
Serum Matrix - MILLIPLEX - COLD PACK	Millipore	LHGT-SM	Acute Tox. 4; Aquatic Chronic 3; H302 + H312 + H332, H412
18-anti Amylin (Total) MAGNETIC Beads	Millipore	HAMLNT-MAG	
MILLIPLEX-COLD PACKS			
19-anti C-Peptide MAGNETIC Beads	Millipore	HCP-MAG	
MILLIPLEX-COLD PACKS			
20-anti Ghrelin (Active) MAGNETIC Beads	Millipore	HGRLN-MAG	
21-anti GIP MAGNETIC Beads	Millipore	HGIP-MAG	
MILLIPL			
22-GLP-1 Active Beads - Magnetic	Millipore	ACTGLP1-MAG	
22 - GLP-1 Total Beads - Magnetic	Millipore	HMEGLP1-MAG	
39-anti Leptin MAGNETIC Beads	Millipore	HLPTN-MAG	
MILL			
54-anti PYY (Total) MAGNETIC Beads	Millipore	HPYY-MAG	
MILLI			
78-anti Amylin (Active) MAGNETIC Beads	Millipore	HAMLNA-MAG	
MILLIPLEX-COLD PACKS			
33-Glucagon Beads Magnetic	Millipore	HMGLU-MAG	
34-IL-6 Beads Magnetic	Millipore	HMIL6-MAG	
52-MCP-1/CCL2 Beads Magnetic	Millipore	HMMCP1-MAG	
55-TNFa Beads Magnetic	Millipore	HMTNFA-MAG	
57-Secretin Beads Magnetic	Millipore	HMSEC-MAG	
36-Insulin Beads Magnetic	Millipore	HMINS-MAG	
53-PP Beads Magnetic	Millipore	HMPP-MAG	
Human Metabolic Hormone Expanded Panel Standard	Millipore	HMH3-8034	Acute Tox. 4; Acute Tox. 3; Aquatic Chronic 2; H302 + H332, H311, H411
Human Metabolic Hormone Expanded Panel Quality Control 1 & 2	Millipore	HMH3-6034	Acute Tox. 4; Acute Tox. 3; Aquatic Chronic 2; H302 + H332, H311, H411
Human Metabolic Hormone Exp Panel	Millipore	HMH3-1034-1	
Detection Antibodies 1			
Human Metabolic Hormone Exp Panel	Millipore	HMH3-1034-2	

Millipore- HMH3-34K

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## Detection Antibodies 2

Bead Diluent

Millipore

HMH3-BD

Streptavidin-

Millipore

HMH3-SAPE

Eye Irrit. 2; H319

Phycoerythrin

### 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

Acute Tox.4	H302
Acute Tox.4	H332
Acute Tox.3	H311
Eye Irrit.2	H319
Skin Sens.1	H317
Aquatic Chronic2	H411

#### Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method



**Further information**


The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. 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:

<b>10X Wash Buffer - MILLIPLEX</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - L-WB		Warning	May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.	Avoid breathing mist or vapors. 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. Avoid release to the environment. Wear protective gloves.	

<b>Assay Buffer</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - LE-ABGLP3					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>Serum Matrix -MILLIPLEX - COLD PACK</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - LHGT-SM		Warning	Harmful if swallowed, in contact with skin or if inhaled. Harmful to aquatic life with long lasting	Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Avoid	





			effects.	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. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.	
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#### **18-anti Amylin (Total) MAGNETIC Beads MILLIPLEX-COLD PACKS**

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

#### **19-anti C-Peptide MAGNETIC Beads MILLIPLEX-COLD PACKS**

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

#### **20-anti Ghrelin (Active) MAGNETIC Beads**

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HGRLN-MAG					Not a hazardous substance or mixture according to



					Regulation (EC) No 1272/2008.
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#### **21-anti GIP MAGNETIC Beads MILLIPL**

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

#### **22-GLP-1 Active Beads - Magnetic**

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - ACTGLP1-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### **22 - GLP-1 Total Beads - Magnetic**

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMEGLP1-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### **39-anti Leptin MAGNETIC Beads MILL**

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

#### **54-anti PYY (Total) MAGNETIC Beads MILLI**

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HPYY-MAG					Not a hazardous substance or mixture according to Regulation (EC)

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					No 1272/2008.
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<b>78-anti Amylin (Active) MAGNETIC Beads MILLIPLEX-COLD PACKS</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HAMLNA-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>33-Glucagon Beads Magnetic</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMGLU-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>34-IL-6 Beads Magnetic</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMIL6-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>52-MCP-1/CCL2 Beads Magnetic</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMMCP1-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>55-TNFa Beads Magnetic</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMTNFA-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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<b>57-Secretin Beads Magnetic</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMSEC-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>36-Insulin Beads Magnetic</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMINs-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>53-PP Beads Magnetic</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMPP-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>Human Metabolic Hormone Expanded Panel Standard</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMMH3-8034		Danger	Harmful if swallowed or if inhaled. Toxic in contact with skin. Toxic to aquatic life with long lasting effects.	Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Avoid release to the environment. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. Wear protective	

Millipore- HMMH3-34K


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				gloves/ protective clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.	
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#### Human Metabolic Hormone Expanded Panel Quality Control 1 & 2


Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMH3-6034		Danger	<p>Harmful if swallowed or if inhaled.</p> <p>Toxic in contact with skin.</p> <p>Toxic to aquatic life with long lasting effects.</p>	<p>Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. 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. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.</p>	



<b>Human Metabolic Hormone Exp Panel Detection Antibodies 1</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMMH3-1034-1					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>Human Metabolic Hormone Exp Panel Detection Antibodies 2</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMMH3-1034-2					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>Bead Diluent</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMMH3-BD					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

<b>Streptavidin-Phycoerythrin</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMMH3-SAPE		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.	
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