

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 8.2

Revision Date 29.08.2023

Print Date 21.04.2025

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 Cytokine Autoantibody Expanded Panel IgG

Product Number : HCYTABG-17K

Catalogue No. : 9Z9691

Brand : Millipore

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

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



Pictogram	
Signal Word	Warning
Hazard statement(s)	
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	
P261	Avoid breathing mist or vapors.
P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P302 + P352	IF ON SKIN: Wash with plenty of water.
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	Warning
Hazard statement(s)	
H317	May cause an allergic skin reaction.
Precautionary statement(s)	
P261	Avoid breathing mist or vapors.
P302 + P352	IF ON SKIN: Wash with plenty of water.
Supplemental Hazard Statements	none

2.3 Other hazards - none

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**

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities**Storage conditions**

Tightly closed.

Recommended storage temperature see product label.

Storage class

Storage class (TRGS 510): 10: Combustible liquids

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

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



Magnetic			
73-BAFF Beads -	Millipore	9Z5508	
Magnetic			
75-IFN γ Beads -	Millipore	6F1611	
Magnetic			
76-IL-1 α Beads -	Millipore	9Z5510	
Magnetic			
77-IL-8 Beads -	Millipore	9Z5511	
Magnetic			
78-IL-18 beads -	Millipore	9Z5512	
Magnetic			
25-IFN β Beads -	Millipore	6F1612	
Magnetic			
56-IL-15 Beads -	Millipore	9Z5514	
Magnetic			
30-IL-22 Beads -	Millipore	9Z5515	
Magnetic			
36-IL-12p40 Beads -	Millipore	9Z5516	
Magnetic			
PE-IgG Conjugate	Millipore	9Z5501	Eye Irrit. 2; H319
18-IFN Omega Beads -	Millipore	HAAIFN0-MAG	
Magnetic			
20-GM-CSF Beads-	Millipore	HAAGMCSF-	
Magnetic		MAG	
22-IL-2 Beads -	Millipore	HAAIL2-MAG	
Magnetic			
39-IL-3 Beads -	Millipore	HAAIL3-MAG	
Magnetic			
43-IL-4 Beads -	Millipore	HAAIL4-MAG	
Magnetic			
45-Osteopontin Beads -	Millipore	HAA0PN-MAG	
Magnetic			
48-PF-4 Beads -	Millipore	HAAPF4-MAG	
Magnetic			
12-Control 1 Beads -	Millipore	6E6410	
Magnetic			
13-Control 2 Beads -	Millipore	6E6411	
Magnetic			
14-Control 3 Beads -	Millipore	6E6412	
Magnetic			
52-IFN α 2 Beads -	Millipore	HAAIFNA2-MAG	
Magnetic			



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

Eye Irrit.2	H319
Skin Sens.1	H317
Aquatic Chronic2	H411

Classification procedure:

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

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Kit Components:

10X Wash Buffer - MILLIPLEX					
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.	

Milliplex Assay Buffer					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - L-AB					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

15-Negative Control Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 6E6413					Not a hazardous substance or mixture according to Regulation (EC)

Millipore- HCYTABG-17K

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The life science business of Merck operates as MilliporeSigma in the US and Canada



54-IL-6 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
HAAIL6-MAG -					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

62-IL-17A Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
HAAIL17A-MAG -					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

64-IL-17F Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
HAAIL17F-MAG -					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

65-G-CSF Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5505					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

67-TNF α Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5506					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Millipore- HCYTABG-17K

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72-IL-10 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5507					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

73-BAFF Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5508					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

75-IFNγ Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 6F1611					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

76-IL-1α Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5510					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

77-IL-8 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5511					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Millipore- HCYTABG-17K

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The life science business of Merck operates as MilliporeSigma in the US and Canada



78-IL-18 beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5512					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.


25-IFNβ Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 6F1612					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

56-IL-15 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5514					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

30-IL-22 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5515					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

36-IL-12p40 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5516					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.



PE-IgG Conjugate					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 9Z5501		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.	

18-IFN Omega Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HAAIFN0-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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

22-IL-2 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HAAIL2-MAG					Not a hazardous substance or mixture according to Regulation (EC)



39-IL-3 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HAAIL3-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

43-IL-4 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HAAIL4-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

45-Osteopontin Beads - Magnetic

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

48-PF-4 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HAAPF4-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

12-Control 1 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 6E6410					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.



13-Control 2 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 6E6411					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

14-Control 3 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - 6E6412					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

52-IFNa2 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HAAIFNA2-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

