

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 8.5
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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 : Porcine Cytokine/Chemokine MAG Panel

Product Number : PCYTMAG-23K

Catalogue No. : 667749

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

Acute toxicity, (Category 4)	H302: Harmful if swallowed.
Acute toxicity, (Category 4)	H332: Harmful if inhaled.
Acute toxicity, (Category 3)	H311: Toxic in contact with skin.
Skin irritation, (Category 2)	H315: Causes skin irritation.
Eye irritation, (Category 2)	H319: Causes serious eye irritation.
Skin sensitization, (Category 1)	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, (Category 2)	H411: Toxic to aquatic life with long lasting effects.



2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal Word	Danger
Hazard Statements	
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.
H411	Toxic to aquatic life with long lasting effects.
Precautionary Statements	
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 Statements	
H311	Toxic in contact with skin.
H317	May cause an allergic skin reaction.
Precautionary Statements	
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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

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

Recommended storage temperature see product label.

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

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

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

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user**Further information**

Not classified as dangerous in the meaning of transport regulations.

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.

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:

Porcine Cytokine Standard	Millipore	PCYT-8023	Acute Tox. 4; Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; Aquatic Chronic 3; H302 + H332, H311, H315, H319, H412
Porcine Cytokine Quality Controls 1 & 2	Millipore	PCYT-6023	Acute Tox. 4; Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; Aquatic Chronic 3; H302 + H332, H311, H315, H319, H412
Serum Matrix	Millipore	MXHSM-5	Acute Tox. 4; Aquatic Chronic 3; H312, H412
Assay Buffer - MILLIPLEX	Millipore	LE-ABGLP	Skin Sens. 1; Aquatic Chronic 2; H317, H411
Bead Diluent	Millipore	LA-BD	
10X Wash Buffer - MILLIPLEX	Millipore	L-WB	
Porcine Cytokine Detection Antibodies	Millipore	PCYT-1023	
Streptavidin-Phycoerythrin	Millipore	L-SAPE12	
14 - GM-CSF Beads - Magnetic	Millipore	PGMCSF-MAG	
18 - IFN γ Beads - Magnetic	Millipore	PIFNG-MAG	
22 - IL-1 α Beads - Magnetic	Millipore	PIL1A-MAG	
27 - IL-1 β Beads - Magnetic	Millipore	PIL1B-MAG	
29 - IL-1 α Beads - Magnetic	Millipore	PIL1RA-MAG	
35 - IL-2 Beads - Magnetic	Millipore	PIL2-MAG	
39 - IL-4 Beads - Magnetic	Millipore	PIL4-MAG	
43 - IL-6 Beads - Magnetic	Millipore	PIL6-MAG	
46 - IL-8 Beads - Magnetic	Millipore	PIL8-MAG	
52 - IL-10 Beads - Magnetic	Millipore	PIL10-MAG	
57 - IL-12 Beads - Magnetic	Millipore	PIL12-MAG	
61 - IL-18 Beads - Magnetic	Millipore	PIL18-MAG	



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
Skin Irrit.2	H315
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
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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Kit Components:

Porcine Cytokine Standard					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PCYT-8023		Danger	Harmful if swallowed or if inhaled. Toxic in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.	Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. 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.	



Porcine Cytokine Quality Controls 1 & 2					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PCYT-6023		Danger	Harmful if swallowed or if inhaled. Toxic in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.	Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/ doctor if you feel unwell. 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.	

Serum Matrix					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - MXHSM-5		Warning	Harmful in contact with skin. 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. Dispose of contents/ container to an approved waste disposal plant. Wear protective gloves/ protective clothing. Take off contaminated clothing and wash it before reuse.	
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Assay Buffer - MILLIPLEX

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - LE-ABGLP					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Bead Diluent

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - LA-BD					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

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.	
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Porcine Cytokine Detection Antibodies

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PCYT-1023					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Streptavidin-Phycoerythrin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - L-SAPE12					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

14 - GM-CSF Beads - Magnetic

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

18 - IFN γ Beads - Magnetic

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



22 - IL-1α Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL1A-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

27 - IL-1β Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL1B-MAG					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

29 - IL-1ra Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL1RA-MAG					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

35 - IL-2 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL2-MAG					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

39 - IL-4 Beads - Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL4-MAG					No hazard pictogram, no signal word, no hazard statement(s), no precautionary



					statement(s) required.
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43 - IL-6 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL6-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

46 - IL-8 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL8-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

52 - IL-10 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL10-MAG					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

57 - IL-12 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL12-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

61 - IL-18 Beads - Magnetic

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - PIL18-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.



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

