

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 8.1
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 Interferon Panel

Product Number : HIFN-130K

Catalogue No. : 9Y0662

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

Serious eye damage (Category 1), H318

Skin sensitization (Category 1), H317

Specific target organ toxicity - repeated exposure (Category 2), Respiratory Tract, H373

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

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.

H318

Causes serious eye damage.

H373

May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure.

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.

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.

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.

H318

Causes serious eye damage.

Precautionary statement(s)

P280

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

P302 + P352 + P312

IF ON SKIN: Wash with plenty of water. 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

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****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 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: 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

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

Millipore- HIFN-130K

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



SECTION 16: Other information

Kit Components:

Human Interferon Panel Standard	Millipore	HIFN-8130	Acute Tox. 4; Eye Dam. 1; STOT RE 2; Aquatic Chronic 3; H302 + H312 + H332, H318, H373, H412
Human Interferon Panel Quality Control 1 & 2	Millipore	HIFN-6130	Acute Tox. 4; Eye Dam. 1; STOT RE 2; Aquatic Chronic 3; H302 + H312 + H332, H318, H373, H412
Human Interferon Panel Detection Antibodies	Millipore	HIFN-1130	Eye Irrit. 2; H319
Serum Matrix	Millipore	MXHSM-HIFN	Acute Tox. 4; Acute Tox. 3; Aquatic Chronic 2; H302 + H332, H311, H411
20-IFN ϵ Beads Magnetic	Millipore	HIFNE-MAG	
25-IFN α 2 Beads Magnetic	Millipore	HINF α 2-MAG	
26-IFN γ Beads Magnetic	Millipore	HIFNY-MAG	
28-IFN λ 3 Beads Magnetic	Millipore	HIFNL3-MAG	
38-IFN β Beads Magnetic	Millipore	HIFNB-MAG	
39-IFN ω Beads Magnetic	Millipore	HIFN0-MAG	
43-IFNGR1 Beads Magnetic	Millipore	HIFNGR1-MAG	
46-IFN λ 2 Beads Magnetic	Millipore	HIFNL2-MAG	
48-IFN λ 1 Beads Magnetic	Millipore	HIFNL1-MAG	
10X Wash Buffer - MILLIPLEX	Millipore	L-WB	Skin Sens. 1; Aquatic Chronic 2; H317, H411
Milliplex Assay Buffer	Millipore	L-AB	
Bead Diluent COLD PACKS	Millipore	LBD	
Streptavidin-Phycoerythrin	Millipore	L-SAPE4	Eye Irrit. 2; H319



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 Dam.1	H318
Skin Sens.1	H317
STOT RE2	H373
Aquatic Chronic2	H411

Classification procedure:

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

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Kit Components:

Human Interferon Panel Standard					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HIFN-8130		Danger	<p>Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye damage. May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.</p>	<p>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/ eye protection/ face protection. 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. Get medical advice/ attention if you feel unwell.</p>	




Human Interferon Panel Quality Control 1 & 2					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HIFN-6130		Danger	<p>Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye damage. May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.</p>	<p>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/ eye protection/ face protection. 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. Get medical advice/ attention if you feel unwell.</p>	

Human Interferon Panel Detection Antibodies					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HIFN-1130		Warning	<p>Causes serious eye irritation.</p>	<p>Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with</p>	



				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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Serum Matrix					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - MXHSM-HIFN		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>	



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

25-IFNα2 Beads Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HINFA2-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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

28-IFNλ3 Beads Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HIFNL3-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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




39-IFNω Beads Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HIFN0-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

43-IFNGR1 Beads Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HIFNGR1-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

46-IFNλ2 Beads Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HIFNL2-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

48-IFNλ1 Beads Magnetic					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HIFNL1-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

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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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

Bead Diluent COLD PACKS

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

Streptavidin-Phycoerythrin

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - L-SAPE4		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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