

SAFETY DATA SHEET

Millipore

according to Regulation (EC) No. 1907/2006

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifiers Product name	:	Human Fibroblast Growth Factor-21 (FGF-21) ELISA
	Product Number	:	EZHFGF21
	Catalogue No.	:	6D9837
	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 :

1.4 Emergency telephone

REACH No.

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 Corrosive to Metals, (Category 1)	or mixture H290: May be corrosive to metals.		
	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 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.		

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2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram

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Signal Word	Danger
Hazard Statements H290 H302 + H332 H311 H317 H411	May be corrosive to metals. Harmful if swallowed or if inhaled. Toxic in contact with skin. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.
Precautionary Statements P234 P273	Keep only in original packaging. Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
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.
Supplemental Hazard Statements	none
Reduced Labeling (<= 1 Pictogram	25 ml)
Signal Word	Danger

-	-
Hazard Statements H311 H317	Toxic in contact with skin. May cause an allergic skin reaction.
Precautionary Statements P280 P302 + P352 + P312	Wear protective gloves/ protective clothing. 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

SECTION 3: Composition/information on ingredients

Refer to component SDS

SECTION 4: First aid measures

Refer to component SDS

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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

No metal containers.

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

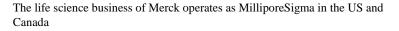
Refer to component SDS

SECTION 11: Toxicological information

Refer to component SDS

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Refer to component SDS

SECTION 13: Disposal considerations

Refer to component SDS

SECTION 14: Transport inform	ation	
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(e ADR/RID: 9	s) 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 u	ser	
Further information	: No data available	
14.7 Maritime transport in bul	-	nts

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

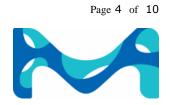
Kit Components:

Human FGF-21 Detection Sigma-Aldrich E1019 Antibody (ELISA) 3ml. Human FGF-21 Quality Sigma-Aldrich E6019-K

Acute Tox. 4; Acute Tox. 3;

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Human FGF-21 Standard (0.5 ml)	Millipore	Е8019-К	H332, H311, H411 Acute Tox. 4; Acute Tox. 3; Aquatic Chronic 2; H302 + H332, H311, H411
Assay Buffer (12ml)	Millipore	EABPI	
Enzyme Solution (12 ml)	Millipore	EHRP-4	Skin Sens. 1; H317
Matrix Solution (0.5 ml) ELISA	Millipore	EMTX-PS5	
Human FGF-21 ELISA Microtiter Plate	Millipore	EP19	
Substrate (TMB) (12 ml)	Millipore	ESS-TMB2	
Stop Solution (12 ml)	Millipore	ET-TMB-M	Met. Corr. 1; H290
10X HRP Wash Buffer	Millipore	EWB-HRP	Skin Sens. 1; H317

Aquatic Chronic 2; H302 +

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	Classification procedure:
Met. Corr.1	H290	Calculation method
Acute Tox.4	H302	Calculation method
Acute Tox.4	H332	Calculation method

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Acute Tox.3	H311	Calculation method
Skin Sens.1	H317	Calculation method
Aquatic Chronic2	H411	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 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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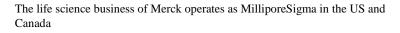


Kit Components:

Human FGF-21 Detection Antibody (ELISA) 3ml.						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
Sigma-Aldrich					Not a hazardous	
- E1019					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

Human FGF-2 Product				Precautionary	Supplemental
	liceogram			-	
Product <u>identifier</u> Sigma-Aldrich - E6019-K	Pictogram	Signal Word Danger	Hazard Statements Harmful if swallowed or if inhaled. Toxic in contact with skin. Toxic to aquatic life with long lasting effects.	Precautionary Statements Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. 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	Supplemental information

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Human FGF-2	21 Standard	(0.5 ml)			
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore -		Danger	Harmful if	Avoid breathing	
E8019-K	4304		swallowed or if	dust/ fume/	
	3UL		inhaled.	gas/ mist/	
			Toxic in contact	vapors/ spray.	
	×		with skin.	IF SWALLOWED:	
			Toxic to aquatic	Call a POISON	
			life with long	CENTER/ doctor	
			lasting effects.	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.	

Assay Buffer (12ml)					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore -					Not a hazardous
EABPI					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.

Enzyme Solution (12 ml)						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
Millipore -		Warning	May cause an	Avoid breathing		
EHRP-4			allergic skin	mist or vapors.		
	•		reaction.	IF ON SKIN:		
				Wash with		
				plenty of water.		
				Contaminated		

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Matrix Solution (0.5 ml) ELISA						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
Millipore -					Not a hazardous	
EMTX-PS5					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

Human FGF-21 ELISA Microtiter Plate						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
Millipore -					Not a hazardous	
EP19					substance or	
					mixture	
					according to	
					Regulation (EC)	
					No 1272/2008.	

Substrate (T	Substrate (TMB) (12 ml)						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information		
Millipore - ESS-TMB2					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.		

Stop Solution	(12 ml)				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore - ET-	Fr.	Warning	May be	Keep only in	
TMB-M			corrosive to	original	
	•		metals.	packaging.	
				Absorb spillage	

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		to prevent	
		material	
		damage.	

10X HRP Wash Buffer						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information	
Millipore - EWB-HRP		Warning	May cause an allergic skin reaction.	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. Wear protective gloves. Take off contaminated clothing and wash it before reuse.		

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