

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 8.5

Revision Date 20.02.2025

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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 : MILLIPLEX Ovine Cytokine/Chemokine Panel 1 Premixed 14 Plex Kit

Product Number : SCYT-91K-PX14
Catalogue No. : 9Z6360
Brand : Millipore
REACH No. :

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 4) | H312: Harmful in contact with skin. |
| Serious eye damage, (Category 1) | H318: Causes serious eye damage. |
| Skin sensitization, (Category 1) | H317: May cause an allergic skin reaction. |
| Specific target organ toxicity - repeated exposure, (Category 2), Respiratory Tract | H373: May cause damage to organs through prolonged or repeated exposure. |



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 + H312 + H332

Harmful if swallowed, in contact with skin or if inhaled.

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 Statements

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 Statements

H317

May cause an allergic skin reaction.

H318

Causes serious eye damage.

Precautionary Statements

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

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



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.

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

Refer to component SDS

SECTION 12: Ecological information

Refer to component SDS

Refer to component SDS

SECTION 13: Disposal considerations

Refer to component SDS

Refer to component SDS

| | | |
|--|---------|---------|
| SECTION 14: Transport information | | |
| 14.1 UN number | | |
| ADR/RID: - | IMDG: - | IATA: - |

14.1 UN number

| | | |
|------------|---------|---------|
| ADR/RID: - | IMDG: - | IATA: - |
|------------|---------|---------|

ADR/RID: - IMDG: - IATA: -

IMDG: - IATA: -

IATA: -

14.2 UN proper shipping name
ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

IMDG: Not dangerous goods
IATA: 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: - | |

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

IMDG: - IATA: -

IMDG: - IATA: -

IATA: -

IATA: -

| | | |
|-----------------------------------|---------------------------|----------|
| 14.4 Packaging group | | |
| ADR/RID: - | IMDG: - | IATA: - |
| 14.5 Environmental hazards | | |
| ADR/RID: no | IMDG Marine pollutant: no | IATA: no |

| | | |
|------------------------------|---------------------------|----------|
| ADR/RID: - | IMDG: - | IATA: - |
| Environmental hazards | | |
| ADR/RID: no | IMDG Marine pollutant: no | IATA: no |

IMDG: - IATA: -

IMDG Marine pollutant: no IATA: no

IATA: -

IATA: no

14.5 Environmental hazards
ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

IMDG Marine pollutant: no IATA: no

IATA: no

14.6 Special precautions for user

Further information
Not classified as dangerous in the meaning of transport regulations.

Further information
Not classified as dangerous in the meaning of transport regulations.

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.

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

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.

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

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For this product a chemical safety assessment was not carried out

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SECTION 16: Other information**Kit Components:**

| | | | |
|--|------------|----------------|--|
| Ovine Cytokine/Chemokine Panel 1 Standard | SCYT1-8091 | SCYT1-8091 | Acute Tox. 4; Eye Dam. 1; STOT RE 2; Aquatic Chronic 3; H302 + H312 + H332, H318, H373, H412 |
| Ovine Cytokine/Chemokine Panel 1 Quality Control 1 & 2 | SCYT1-6091 | SCYT1-6091 | Acute Tox. 4; Eye Dam. 1; STOT RE 2; Aquatic Chronic 3; H302 + H312 + H332, H318, H373, H412 |
| Milliplex Assay Buffer | Millipore | L-AB | |
| 10X Wash Buffer - MILLIPLEX | Millipore | L-WB | Skin Sens. 1; Aquatic Chronic 2; H317, H411 |
| Streptavidin-Phycoerythrin | Millipore | L-SAPE4 | Eye Irrit. 2; H319 |
| Ovine Cytokine/Chemokine Panel 1 Serum Matrix | SCYT1-SM | SCYT1-SM | |
| Ovine Cytokine/Chemokine Panel 1 Detection Antibodies | SCYT1-1091 | SCYT1-1091 | Eye Irrit. 2; H319 |
| Ovine Cytokine/Chemokine Panel 1 Premix 14 plex beads | Millipore | SCYT1PMX14-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.4 | H312 |
| 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 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:


| Ovine Cytokine/Chemokine Panel 1 Standard | | | | | |
|---|---|-------------|--|--|--------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
| SCYT1-8091 - SCYT1-8091 |  | Danger | 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. | 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. | |

| Ovine Cytokine/Chemokine Panel 1 Quality Control 1 & 2 | | | | | |
|--|---|-------------|--------------------------|--------------------------|--------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
| SCYT1-6091 - |  | Danger | Harmful if swallowed, in | Avoid release to the | |




| | | | | | |
|------------|---|--|---|---|--|
| SCYT1-6091 |  | | 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. | 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. | |
|------------|---|--|---|---|--|


| 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. |

| 10X Wash Buffer - MILLIPLEX | | | | | |
|-----------------------------|---|-------------|----------------------------|---------------------------------|--------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
| Millipore - L- |  | Warning | May cause an allergic skin | Avoid breathing mist or vapors. | |



| | | | | | |
|----|---|--|---|---|--|
| WB |  | | reaction. Toxic to aquatic life with long lasting effects. | 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. | |
|----|---|--|---|---|--|


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. | |

Ovine Cytokine/Chemokine Panel 1 Serum Matrix

| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
|---------------------|-----------|-------------|-------------------|--------------------------|--|
| SCYT1-SM - SCYT1-SM | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |



| Ovine Cytokine/Chemokine Panel 1 Detection Antibodies | | | | | |
|--|---|-------------|--------------------------------|--|--------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
| SCYT1-1091 - SCYT1-1091 |  | 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. | |

| Ovine Cytokine/Chemokine Panel 1 Premix 14 plex beads | | | | | |
|--|-----------|-------------|-------------------|--------------------------|--|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
| Millipore - SCYT1PMX14-MAG | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |

