Sigma-Aldrich

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Version 8.7 Revision Date 24.04.2025 Print Date 03.05.2025 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

Porcine Insulin RIA 250 TubeKit I-125<185KBqs</p>

| Product Number Catalogue No. | : PI-12K : 6C3627 |
|---------------------------------|---|
| 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 | |
|-----------------|---|--------------------------------|--|
| | • | Diochernical rescarch/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)

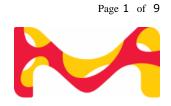
This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

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. Specific target organ toxicity repeated exposure, (Category 2), Respiratory Tract Acute toxicity or toxicity repeated exposure. Acute toxicity - repeated exposure.

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| Long-term (chronic) aquatic | H412: Harmful to aquatic life with long |
|-----------------------------|---|
| hazard, (Category 3) | lasting effects. |

2.2

| Labelling according Reg Pictogram | ulation (EC) No 1272/2008 |
|--|--|
| Signal Word | Danger |
| Hazard Statements H302 + H312 + H332 H318 H373 | 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. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Precautionary Statements P273 P280 P302 + P352 + P312 P304 + P340 + P312 P305 + P351 + P338 | Avoid release to the environment. 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. |
| P314 | Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/ attention if you feel unwell. |
| Supplemental Hazard Statements | none |

| Pictogram | |
|--|--|
| Signal Word | Danger |
| Hazard Statements H318 H412 | Causes serious eye damage. Harmful to aquatic life with long lasting effects. |
| 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 |

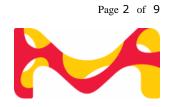
2.3 **Other hazards**

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:

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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. **Storage stability**Recommended storage temperature -20 °C **Storage class** Storage class (TRGS 510): 10: Combustible liquids

7.3 Specific end use(s)

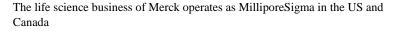
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

Refer to component SDS

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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

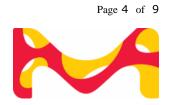
SECTION 13: Disposal considerations

Refer to component SDS

| SECT | SECTION 14: Transport information | | | | | | | | |
|------|-----------------------------------|---|---|------------------|--|--|--|--|--|
| 14.1 | UN numb ADR/RID: | | IMDG: 2910 | IATA: 2910 | | | | | |
| 14.2 | ADR/RID: | MATERIAL | ERIAL, EXCEPTED PACKAGE - L | - | | | | | |
| | IMDG: IATA: | MATERIAL | ERIAL, EXCEPTED PACKAGE - L al, excepted package - limited o | - | | | | | |
| 14.3 | Transpor ADR/RID: | t hazard class(es) 7 | IMDG: 7 | IATA: RAD_MAT_EP | | | | | |
| 14.4 | Packagin ADR/RID: | | IMDG: - | IATA: - | | | | | |
| 14.5 | Environm ADR/RID: | n ental hazards no | IMDG Marine pollutant: no | IATA: no | | | | | |
| 14.6 | Special p | recautions for use | r | | | | | | |
| | Further in | nformation : | No data available | | | | | | |
| 14.7 | | transport in bulk table for product as s | according to IMO instrumen supplied. | ts | | | | | |

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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: 125I-Insulin I- 125<185KBqs | Millipore | 9011-M | Acute Tox. 4; Eye Dam. 1; STOT RE 2; Aquatic Chronic 3; H302 + H312 + H332, H318, H373, H412 |
|--|-----------|--------|---|
| Label Hydrating Buffer (27mL) | Millipore | LHB-P | |
| Human Insulin Kit Standards 1mL | Millipore | 8014-K | |
| Insulin Kit Antibody | Millipore | 1013-K | |
| Precipitating Reagent (260 ml) | Millipore | PR-UV | |
| Quality Controls I & II (1 ml) | Millipore | 6000-K | |
| Assay Buffer (40ml) | Millipore | AB-P | |

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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

Further information

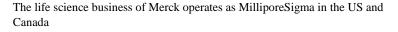
The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of 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:

| 125I-Insulin | I-125<185K | Bqs | | | |
|-----------------------|------------|----------------|---|---|--------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
| Millipore - 9011-M | | 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. | |

| Label Hydrating Buffer (27mL) | | | | | |
|-------------------------------|-----------|--------|------------|---------------|--------------|
| Product | Pictogram | Signal | Hazard | Precautionary | Supplemental |
| identifier | | Word | Statements | Statements | information |
| Millipore - | | | | | No hazard |

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| LHB-P | | | pictogram, no signal word, no hazard statement(s), no |
|-------|--|--|--|
| | | | statement(s), no precautionary statement(s) required. |

| Human Insuli | Human Insulin Kit Standards 1mL | | | | | | |
|-----------------------|---------------------------------|----------------|----------------------|-----------------------------|---|--|--|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information | | |
| Millipore - 8014-K | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. | | |

| Insulin Kit An | Insulin Kit Antibody | | | | | | |
|----------------|----------------------|--------|------------|---------------|-----------------------------|--|--|
| Product | Pictogram | Signal | Hazard | Precautionary | Supplemental | | |
| identifier | | Word | Statements | Statements | information | | |
| Millipore - | | | | | No hazard | | |
| 1013-K | | | | | pictogram, no | | |
| | | | | | signal word, no | | |
| | | | | | hazard | | |
| | | | | | <pre>statement(s), no</pre> | | |
| | | | | | precautionary | | |
| | | | | | statement(s) | | |
| | | | | | required. | | |

| Precipitating Reagent (260 ml) | | | | | | | |
|--------------------------------|-----------|--------|------------|---------------|------------------|--|--|
| Product | Pictogram | Signal | Hazard | Precautionary | Supplemental | | |
| identifier | | Word | Statements | Statements | information | | |
| Millipore - PR- | | | | | No hazard | | |
| UV | | | | | pictogram, no | | |
| | | | | | signal word, no | | |
| | | | | | hazard | | |
| | | | | | statement(s), no | | |
| | | | | | precautionary | | |
| | | | | | statement(s) | | |
| | | | | | required. | | |

| Quality Controls I & II (1 ml) | | | | | | | |
|--------------------------------|-----------|----------------|----------------------|-----------------------------|---|--|--|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information | | |
| Millipore - 6000-K | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. | | |

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| Assay Buffer (40ml) | | | | | | | |
|-----------------------|-----------|----------------|----------------------|-----------------------------|---|--|--|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information | | |
| Millipore - AB- P | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. | | |

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