



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 7.7
Revision Date 16.04.2024
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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 : Cell-Based ELISA for detecting phospho-STAT4 (pTyr⁶⁹³) in cultured cell lines

Product Number : RAB0448

Brand : Sigma

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 : Laboratory chemicals, Manufacture of substances

1.3

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1.4 Emergency telephone

Emergency Phone # : 000 800 1007 141 (CHEMTREC)

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

| | |
|-----------------------------------|-----------------------------------|
| Corrosive to Metals, (Category 1) | H290: May be corrosive to metals. |
| Acute toxicity, (Category 4) | H302: Harmful if swallowed. |
| Acute toxicity, (Category 4) | H332: Harmful if inhaled. |
| Skin irritation, (Category 2) | H315: Causes skin irritation. |

| | |
|--|--|
| Serious eye damage, (Category 1) | H318: Causes serious eye damage. |
| Skin sensitization, (Category 1) | H317: May cause an allergic skin reaction. |
| Germ cell mutagenicity, (Category 2) | H341: Suspected of causing genetic defects. |
| Carcinogenicity, (Category 1B) | H350: May cause cancer. |
| Specific target organ toxicity - single exposure, (Category 3), Respiratory system | H335: May cause respiratory irritation. |
| Long-term (chronic) aquatic hazard, (Category 3) | H412: Harmful to aquatic life with long lasting effects. |

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram

| | |
|--------------------------------|--|
| Signal Word | Danger |
| Hazard Statements | |
| H290 | May be corrosive to metals. |
| H302 + H332 | Harmful if swallowed or if inhaled. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |
| H412 | Harmful 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. |
| 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. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| Supplemental Hazard Statements | none |

Reduced Labeling (<= 125 ml)

Pictogram

| | |
|--------------------------------|--|
| Signal Word | Danger |
| Hazard Statements | |
| H317 | May cause an allergic skin reaction. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |
| H318 | Causes serious eye damage. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Precautionary Statements | |
| P280 | Wear protective gloves/ protective clothing/ eye protection/ face protection. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| 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.

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

Change contaminated clothing and immerse in water. 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

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. 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.

Storage stability Recommended storage temperature
-20 °C

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: II

IMDG: II

IATA: II

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

Tunnel restriction code : (E)

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

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

| | | | |
|--|-------|-----------|---|
| Fixing Solution (Item D) | Sigma | RABFIX1 | Acute Tox. 4; Skin Sens. 1; Muta. 2; Carc. 1B; H317, H332, H341, H350 |
| Quenching Solution for Cell-based ELISA Assay (Item D) | Sigma | RABQUENCH | Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; Aquatic Chronic 3; H302, H315, H318, H335, H412 |
| HRP-conjugated Anti-Rabbit IgG Concentrate (Item I1) | Sigma | RABHRP1 | |
| HRP-conjugated Anti- | Sigma | RABHRP2 | |

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

| | |
|--------------|------|
| Met. Corr.1 | H290 |
| Acute Tox.4 | H302 |
| Acute Tox.4 | H332 |
| Skin Irrit.2 | H315 |
| Eye Dam.1 | H318 |
| Skin Sens.1 | H317 |
| Muta.2 | H341 |
| Carc.1B | H350 |
| STOT SE3 | H335 |

Classification procedure:

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|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

Further information

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Kit Components:

| Fixing Solution (Item D) | | | | | |
|---------------------------------|-----------|-------------|---|--|--------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
| Sigma - RABFIX1 | | Danger | May cause an allergic skin reaction. Harmful if inhaled. Suspected of causing genetic defects. May cause cancer. | Do not handle until all safety precautions have been read and understood. IF ON SKIN: Wash with plenty of water. Avoid breathing mist or vapors. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF exposed or concerned: Get medical advice/ attention. | |

| Quenching Solution for Cell-based ELISA Assay (Item D) | | | | | |
|---|-----------|-------------|--|---|--------------------------|
| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
| Sigma - RABQUENCH | | Danger | Harmful if swallowed. Causes skin irritation. Causes serious eye damage. | Avoid breathing mist or vapors. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel | |

| | | | | | |
|--|--|--|--|--|--|
| | | | May cause respiratory irritation. Harmful to aquatic life with long lasting effects. | unwell. Avoid release to the environment. IF ON SKIN: Wash with plenty of water. Wear protective gloves/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | |
|--|--|--|--|--|--|

HRP-conjugated Anti-Rabbit IgG Concentrate (Item I1)

| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
|--------------------|-----------|-------------|-------------------|--------------------------|---|
| Sigma - RABHRP1 | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required |

HRP-conjugated Anti-Muc IgG Conc

| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
|--------------------|-----------|-------------|-------------------|--------------------------|---|
| Sigma - RABHRP2 | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required |

Stop Solution

| Product identifier | Pictogram | Signal Word | Hazard Statements | Precautionary Statements | Supplemental information |
|--------------------|-----------|-------------|-----------------------------|----------------------------------|--------------------------|
| Sigma - RABSTOP1 | | Warning | May be corrosive to metals. | Keep only in original packaging. | |

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| | | | | Absorb spillage to prevent material damage. | |
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