

SAFETY DATA SHEET

Version 8.1
Revision Date 03/28/2020
Print Date 11/20/2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**

Product name : QuantiPro™ BCA Assay Kit

Product Number : QPBCA
Brand : Sigma

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.
3050 Spruce Street
ST. LOUIS MO 63103
UNITED STATES

Telephone : +1 314 771-5765
Fax : +1 800 325-5052

1.4 Emergency telephone number

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-
527-3887 CHEMTREC (International) 24
Hours/day; 7 Days/week

This is a summary MSDS for a kit. For the full MSDS 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****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Short-term (acute) aquatic hazard (Category 1), H400
Long-term (chronic) aquatic hazard (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word : Warning

Hazard statement(s)
H410 : Very toxic to aquatic life with long lasting effects.

| | |
|----------------------------|---|
| Precautionary statement(s) | |
| P273 | Avoid release to the environment. |
| P391 | Collect spillage. |
| P501 | Dispose of contents/ container to an approved waste disposal plant. |

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

Refer to component MSDS

SECTION 4: First aid measures

Refer to component MSDS

SECTION 5: Firefighting measures

Refer to component MSDS

SECTION 6: Accidental release measures

Refer to component MSDS

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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

Recommended storage temperature 2 - 8 °C

Storage class (TRGS 510): 12: Non 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 MSDS

SECTION 9: Physical and chemical properties

Refer to component MSDS

SECTION 10: Stability and reactivity

Refer to component MSDS

SECTION 11: Toxicological information

Refer to component MSDS

SECTION 12: Ecological information

Refer to component MSDS

SECTION 13: Disposal considerations

Refer to component MSDS

SECTION 14: Transport information**DOT (US)**

UN number: 3082 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Copper sulphate pentahydrate)
• Marine pollutant: yes
Poison Inhalation Hazard: No

IMDG

UN number: 3082 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Copper sulphate pentahydrate)
Marine pollutant : yes

IATA

UN number: 3082 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Copper sulphate pentahydrate)

SECTION 15: Regulatory information**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

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

| | | | |
|----------------------|-------|-------|--|
| QuantiPro™ BCA QB | Sigma | M3685 | |
| QuantiPro™ Buffer QA | Sigma | M3810 | Skin Irrit. 2; Eye Irrit. 2A; H315, H319 |

Protein standard
Copper(II) sulfate
solution

Sigma-Aldrich P0914
SIGALD C2284

Aquatic Acute 1; Aquatic Chronic
1; H410

Further information

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Kit Components:

| QuantiPro™ BCA QB | | | | | |
|--------------------------|-----------|-------------|-------------------|--------------------------|---------------------------------------|
| Product identifier | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information |
| Sigma - M3685 | | | | | Not a hazardous substance or mixture. |

| QuantiPro™ Buffer QA | | | | | |
|-----------------------------|---|-------------|---|---|--------------------------|
| Product identifier | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information |
| Sigma - M3810 |  | Warning | Causes skin irritation. Causes serious eye irritation. | Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of soap and 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. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. | |

| Protein standard | | | | | |
|-------------------------|-----------|-------------|-------------------|--------------------------|---------------------------------------|
| Product identifier | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information |
| Sigma-Aldrich - P0914 | | | | | Not a hazardous substance or mixture. |

| Copper(II) sulfate solution | | | | | |
|------------------------------------|---|-------------|---|---|--------------------------|
| Product identifier | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information |
| SIGALD - C2284 |  | Warning | Very toxic to aquatic life with long lasting effects. | Avoid release to the environment. Collect spillage. Dispose of contents/ container to an approved waste disposal plant. | |