

Safety Data Sheet

File version: 1

1M PCB Buffer pH 4.0

SDS Date: 28 Nov 2016

---

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**


---

**PRODUCT NAME:** 1M PCB Buffer pH 4.0  
**PRODUCT CODES:** 1008292  
 1008293  
**MANUFACTURER:** Rigaku Reagents  
**ADDRESS:** 9009 New Trails Drive  
 The Woodlands, TX 77381  
 USA  
**PHONE:** +1 (281) 362-2300  
**EMAIL:** ReagentOrders@Rigaku.com

**CHEMICAL NAME:** PCB Buffer

**PREPARED BY:** Rigaku Reagents

**SECTION 1 NOTES:**

---

**SECTION 2: HAZARDS IDENTIFICATION**


---

Risk advice to man and the environment:

Toxic by inhalation and if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Irritating to eyes and skin and respiratory system.

Harmful in contact with skin.

---

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**


---

Reagent	CAS-No.	EC-No.
Sodium propionate	137-40-3	205-290-4
Sodium cacodylate	6131-99-3	204-708-2
Bis-Tris propane	6431-96-5	264-899-3

**SECTION 3 NOTES:**

---

**SECTION 4: FIRST AID MEASURES**


---

**After inhalation:** Move person into fresh air. If not breathing give artificial respiration.

**After skin contact:** Flush with copious amounts of water for at least 15 minutes.

**After eye contact:** Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

**After swallowing:** Rinse out mouth with water provided person is conscious. Call a physician immediately.

---

**SECTION 5: FIRE-FIGHTING MEASURES**


---

**Suitable extinguishing agents:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Protective equipment:**

Wear self-contained breathing apparatus and protective clothing.

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**


---

**PERSONAL PRECAUTIONS:** Avoid dust formation.

**ENVIRONMENTAL PRECAUTIONS:** Do not let product enter drain.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Sweep up and shovel, Keep in suitable, closed containers for disposal.

Safety Data Sheet

File version: 1

1M PCB Buffer pH 4.0

SDS Date: 28 Nov 2016

---

**SECTION 7: HANDLING AND STORAGE**

---

**Handling:**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:**

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

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**Personal Protective equipment:****Breathing equipment:** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).**Protection of hands:** Wear protective gloves.**Eye protection:** Safety glasses.**Hygiene measures:** General industrial hygiene practice.

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE:** clear, colorless**PHYSICAL STATE:** liquid, clear**pH AS SUPPLIED:** 4**pH (Other):** No data available**MELTING POINT:** 55-53°C**FLASH POINT:** Not Applicable**AUTO IGNITING:** Not Applicable**DANGER OF EXPLOSION:** Product does not present an explosion hazard.**SOLUBILITY IN /MISCIBILITY WITH WATER:** Not Applicable

---

**SECTION 10: STABILITY AND REACTIVITY**

---

**Storage Stability:** Stable under recommended storage conditions.**Materials to avoid:** Strong oxidizing agents.**Hazardous decomposition products:** Formed under fire conditions.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**Acute toxicity:** No data available.**Oxidation and corrosion:** No data available.**Sensitisation:** No data available.

## Safety Data Sheet

File version: 1

## 1M PCB Buffer pH 4.0

SDS Date: 28 Nov 2016

**Chronic exposure:**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Potential health effects:**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** May be harmful if swallowed.

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**Elimination information (persistence and degradability):** No data available.

**Ecotoxicity effect:** No data available.

**Further information on ecology:** No data available.

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**PRODUCT:**

Observe all EU and local environmental regulations.

**CONTAMINATED PACKAGING:**

No data available.

---

**SECTION 14: TRANSPORT INFORMATION**

---

**ADR/RID:** Not dangerous goods.

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods.

---

**SECTION 15: REGULATORY INFORMATION**

---

**Labeling according to EC Directives**

The product does not need to be labeled in accordance with EC directives or respective national laws.

---

**SECTION 16: OTHER INFORMATION**

---

**DISCLAIMER:** The above information is believed to be correct but does not necessarily include all information and should be used only as a guide. The information in this document is based on our current knowledge and applies to the product with regard to appropriate safety precautions. This document does not represent any guarantee of the properties of the product. Rigaku Reagents will not be held liable for any damage resulting from handling or contact with the above product.