ARENA BioScien

Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company

1.1 Product identifier

- Product Name: Potassium

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

Diagnostic reagent for the in-vitro quantitative determination of potassium in human serum, plasma, CSF and urine on manual and automated systems.

1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Arena BioScien, SEA
- Address of Manufacturer: Block 5, Street 9 Ismailia free zone. Ismailia- Egypt
- Telephone: +202 21813500/ +201113102057
- Email: admin@arenabioscientific.com

SECTION 2 Hazards identification

The following information applies to the component materials at higher concentrations than present in the reagent. Although lower concentrations are present in the reagent, appropriate safety precautions should still be taken.

- Sodium Tetraphenylboron: Toxic. Harmful if swallowed. Irritating to eyes, respiratory system, and skin.

SECTION 3 Composition/information on ingredients

ACTIVE INGREDIENTS:

Sodium tetraphenylboron or Sodium tetraphenylborate: Conc 2.1 mM Other components either non-hazardous or at concentrations below that requiring hazardous listing.

SECTION 4 First aid measures

4.1 Description of first aid measures

- General

In case of doubt, or when symptoms persist, seek medical attention.
In general, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.

- Contact with skin

Remove contaminated clothing.
Wash affected area with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention. Contaminated clothing should be laundered before reuse.

- Contact with eyes

SECTION 4 First aid measures (continued…)

If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes. Irrigate eyes thoroughly while lifting eyelids. Seek medical advice if necessary.

- Ingestion

Rinse mouth with water (do not swallow).
Never make an unconscious person vomit or drink fluids.
If medical advice is needed, have product container or label at hand.

- Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

- The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

SECTION 5 Fire-fighting measures

Autoignition Temp: N/A
Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
Firefighting Measures:
Protective Equipment: and protective clothing to prevent contact with skin and eyes.

SECTION 6 Accidental release measures

Procedure to be Followed in Case of Leak or Spill : Ventilate area.
Methods for Cleaning Up and Disposal: Mop up liquid, place in bag and hold for waste disposal. Wash spill site after material pickup is complete.
Procedures of Personal Precaution: Exercise appropriate precautions to avoid contact with skin or eyes and prevent inhalation. Wear proper personal protective equipment (PPE).

SECTION 7 Handling and storage

Handling:
Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
Avoid inhalation or ingestion. Do not pipette by mouth. Wash thoroughly after handling.
Storage:
Store in a cool dry place. Keep tightly closed.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters
- There are no recommended or established controls for this product.

8.2 Exposure controls
- Eyewash bottles should be available.
- Engineering controls should be provided to prevent the need for ventilation.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask, NIOSH N95 (US) or type FFP1 (EN143) dust masks.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard for ANSI Z87 or EN 166.

SECTION 8 Exposure controls/personal protection (continued…)

- Wear suitable protective clothing in accordance with good chemical hygiene practices.



Gloves | Safety Glasses | Lab Coat

SECTION 9 Physical and chemical properties

Boiling Point: N/A
Melting Point: N/A
Specific Gravity: (g/cm3): <1.1 (water = 1.0)
Vapor Pressure : N/A
Percent Volatile: N/A
Vapor Density: N/A
Evaporation Rate: 1 (water = 1.0)
Solubility in Water: Soluble
Appearance: colorless liquid

SECTION 10 Stability and reactivity

Stability: Stable
Conditions to Avoid :heat sensitive
Materials to Avoid: strong oxidizing agents,
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Boron oxides.

SECTION 11 Toxicological information

Route of exposure: be harmful by inhalation, or by skin absorption. Harmful if swallowed.
Causes eye and skin irritation. May be irritating to mucous membranes and upper respiratory tract.
Signs and Symptoms of Exposure: N/A

SECTION 12 Ecological information

12.1 Toxicity
- Quantitative data on the toxic effects of this product is not available.

12.2 Persistence and degradability
- The test kit contains plastic and other components that are not readily degradable.

12.3 Bioaccumulation Potential
- No information available

12.4 Mobility in soil
- No information available

12.5 Results of PBT and vPvB assessment
- Not a PBT according to REACH Annex XIII
- PBT/vPvB assessment not available

12.6 Other Adverse Effects
- To the best of our knowledge, the properties of this material have not been fully evaluated.
- On available data, substance is not harmful to the environment.

SECTION 13 Disposal considerations

Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

SECTION 14 Transport information

14.1 UN Number
- Not classified as hazardous for transport

14.2 UN Proper Shipping Name
- Not applicable

14.3 Transport hazard class(es)
- Not applicable

14.4 Packing group
- Not applicable

14.5 Environmental hazards
- Not Classified

14.6 Special precautions for user
- Not Classified

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
- Not Classified

14.8 Domestic Surface Transport (US DOT)
- Proper Shipping Name: Not applicable
- DOT UN No.: Not applicable
- DOT Hazard Class: Not applicable

SECTION 14 Transport information (continued…)

- DOT Packing Group: Not applicable

14.9 International Road/Rail (ADR/RID)
- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.10 Ocean/Sea (IMO/IMDG)
- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Packing Group: Not applicable

14.11 Air (ICAO/IATA)
- Proper Shipping Name: Not applicable
- ICAO Un No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010, WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR), and with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

SECTION 16 Other information

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Revision: Rev. 0
Replaces: New issue
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