

List	Material Safety Data Sheet (Documentation Requirements)
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Section 1 – Product and Company Information

Product Name	Potassium CD-POT-50	Emergency Telephone No. CHEMTREC (800) 424-9300
Catalog Number	Clinical Chemistry Reagent	International CHEMTREC (703) 527-3887
Product Type		
Company Name	Concept Diagnostics	Company Telephone No. (909) 947-3462
Street Address	2527 S. Greenwood Pl.,	Fax No. (909) 947-3162
City, State, Zip Code, Country	Ontario, CA 92807 USA	

Section 2 – Composition/Information on Ingredients

Chemical Names	Concentration or %	CAS#
Sodium tetraphenylboron or Sodium tetraphenylborate	2.1 mM	144-66-8
Other components either non-hazardous or at concentrations below that requiring hazardous listing.		

Section 3 – Hazards Identification

Emergency Overview: Note: 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.
For additional information on toxicity, please refer to section 11.

Section 4 – First Aid Measures

Oral Exposure If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Dermal Exposure In case of skin contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician.
Eye Exposure In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5- Fire and Explosive Hazard Data

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. Specific Hazard(s): Emits toxic fumes under fire conditions.	

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. Follow federal, state and local disposal regulations.
Procedures of Personal Precaution Exercise appropriate precautions to avoid contact with skin or eyes and prevent inhalation. Wear proper personal protective equipment (PPE) as indicated in section 8.

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.	Storage Store in a cool dry place. Keep tightly closed.
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Section 8 – Exposure Controls / PPE

Engineering Controls Safety shower and eyewash. Good general ventilation.	Personal Protective Equipment Respiratory Protection: None required where adequately ventilated Protective Clothing: Lab coat Protective Gloves: Latex or rubber gloves Eye: Chemical safety goggles with side shields recommended. Other protective equipment: Use a safety pipette device.
General Hygiene Measures Wash thoroughly after handling.	

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Potassium

Section 9 - Physical Data

Boiling Point N/A	Melting Point N/A	Specific Gravity <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	Hazardous Decomposition Products Carbon monoxide, Carbon dioxide, Boron oxides.
Conditions to Avoid Heat sensitive	Hazardous Polymerization None have been reported.
Materials to Avoid Strong oxidizing agents.	

Section 11 – Toxicological information

Route of exposure May 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 To the best of our knowledge, the chemical, physical and toxicological properties of have not been thoroughly investigated.	

Section 12 – Ecological Information

No data available.

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.
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Section 14 – Transport Information

DOT Proper shipping name: None. Non-hazardous for Transport: This substance is considered to be non-hazardous for transport.	IATA Non-hazardous for Air Transport.
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Section 15 – Regulatory Information

<p>Sodium tetraphenylboron:</p> <p>European Regulatory Information Indication of Danger. Harmful Risk statements. R: 22 36/37/38 Harmful if swallowed. Irritating to eyes, respiratory system and skin. Safety statements. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>Canadian Regulatory information WHMIS Classification This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.</p>	<p>US Classification Indication of Danger. Toxic Risk statements. Harmful if swallowed. Irritating to eyes, respiratory system and skin. Safety statements. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.</p> <p>US Regulatory Information SARA listed: No</p>
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Section 16 – Other Information

This Product is labeled in accordance with CFR21 (Food and Drugs), Section 809.10.
The information contained herein has been compiled from data presented in various technical sources believed to be accurate. We make no warranties, express or implied, and assume no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.

N/A - Not Applicable or Not Available