

<b>List</b>	<b>Material Safety Data Sheet (Documentation Requirements)</b>
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<b>Section 1 – Product and Company Information</b>			
<b>Product Name</b>	Creatinine, Kinetic	<b>Emergency Telephone No.</b>	
<b>Catalog Number</b>	CD-CNK-480	CHEMTREC (800) 424-9300	
<b>Product Type</b>	Clinical Chemistry Reagent	International CHEMTREC (703) 527-3887	
<b>Company Name</b>	Concept Diagnostics	<b>Company Telephone No.</b>	
<b>Street Address</b>	2527 S. Greenwood Pl.,	(909) 947-3462	
<b>City, State, Zip Code, Country</b>	Ontario, CA 91761 USA	Fax No. (909) 947-3162	
<b>Section 2 – Composition/Information on Ingredients</b>			
<b>Kit Components</b>	<b>Chemical Names</b>	<b>Concentration</b>	<b>CAS#</b>
Creatinine Picric Acid Reagent:	Picric acid	10 mM	88-89-1
Creatinine Sodium Hydroxide Reagent:	Sodium hydroxide	240 mM	1310-73-2
Creatinine Standard:	Creatinine in hydrochloric acid with preservative	5 mg/dl	60-27-5
<b>Section 3 – Hazard Identification</b>			
<b>Emergency Overview:</b>			
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.			
Note: Picric acid is explosive when dry.			
Routes of Entry/Exposure: skin contact, eye contact, inhalation, ingestion, and skin absorption			
Skin contact: May cause irritation.			
Skin absorption: May be harmful if absorbed through the skin.			
Eye contact: May cause irritation.			
Ingestion: May be harmful if ingested.			
Inhalation: May cause irritation to mucous membranes and upper respiratory tract.			
In case of inhalation, ingestion, eye contact, or skin contact, refer to section 4.			
Effects of chronic exposure: No information available.			
Sensitization to product: No information available.			
Carcinogenicity: Not a known carcinogen			
<b>Section 4 – First Aid Measures</b>			
<b>Skin:</b>	In case of skin contact, immediately flush area with plenty of water for at least 15 minutes. Call a physician if necessary.		
<b>Eyes:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician if necessary.		
<b>Ingestion:</b>	If swallowed, wash out mouth with water provided person is conscious. Call a physician.		
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing give artificial respiration, but NOT by mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.		
<b>Section 5 – Fire and Explosive Hazard Data</b>			
<b>Flammable:</b>	No		
<b>Extinguishing Media:</b>	Use media appropriate for surrounding materials and site conditions.		
<b>Flash Point:</b>	Not applicable		
<b>Explosion Limits:</b>	Not applicable		
<b>Firefighting Measures:</b>	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		
<b>Unusual Fire or Explosion hazards:</b>	May emit toxic fumes under fire conditions. Picric acid is explosive when dry.		
<b>Section 6 – Accidental Release Measures</b>			
<b>Procedure to be Followed in Case of Leak or Spill</b>			<b>Personal Protection</b>
Ventilate the area. Absorb on inert material. Place material and contaminated disposables into a suitable container, seal, label and hold for disposal. Wash spill site after material pickup is complete.			Refer to Section 8.
<b>Methods for Cleaning Up and Disposal</b>			
Refer to section 13.			
<b>Section 7 – Handling and Storage</b>			
<b>Handling</b>			<b>Storage</b>
Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Avoid inhalation or ingestion. Do not pipet by mouth. Refer to Section 8			Store according to package directions.

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<b>Section 8 – Exposure Controls / PPE (Personal Protective Equipment)</b>		
<b>Local Exhaust:</b>	Not required.	
<b>Ventilation:</b>	Good general ventilation is satisfactory.	
<b>Protective Clothing:</b>	Lab coat	
<b>Protective Gloves:</b>	Chemical resistant latex or rubber gloves.	
<b>Eye Protection:</b>	Safety glasses or goggles	
<b>Respiratory Protection:</b>	None required where adequately ventilated.	
<b>Other Protection:</b>	Avoid contact and inhalation. Do not pipet by mouth. Do not get in eyes, on skin or clothing. Wash contaminated clothing before reuse. Safety shower and eyewash should be available.	
<b>General Hygiene Measures:</b>	Wash hands thoroughly after handling.	
<b>Section 9 - Physical Data</b>		
<b>Boiling Point</b> Not available	<b>Solubility in Water</b> Not applicable	<b>Specific Gravity</b> Not available
<b>Odor</b> No Significant Odor	<b>pH</b> Creatinine Picric Acid reagent: Acidic Creatinine Sodium Hydroxide reagent: Basic Creatinine Standard: Not relevant to safety	<b>Appearance</b> Creatinine Picric Acid Reagent: yellow liquid. Creatinine Sodium Hydroxide: Colorless to pale yellow liquid Creatinine Standard: Colorless to pale yellow liquid
<b>Section 10 – Stability and Reactivity</b>		
<b>Stability</b> Stable, under normal handling and storage conditions.	<b>Materials to Avoid (Picric Acid Reagent):</b> Strong oxidizing agents, strong bases, reducing agents, heavy metals, heavy metal salts, ammonia	
<b>Conditions to Avoid</b> Heat. Picric acid can become explosive upon drying or evaporation.	<b>Materials to Avoid (Sodium Hydroxide Reagent):</b> Acids, organic materials, chlorinated solvents, aluminum, phosphorus, tin/tin oxides, zinc	
<b>Hazardous Decomposition Products</b> Creatinine Picric Acid Reagent: carbon monoxide, carbon dioxide, nitrogen oxides Creatinine Sodium Hydroxide Reagent: sodium, sodium oxides.	<b>Hazardous Polymerization</b> Will not occur	
<b>Section 11 – Toxicological information</b>		
No information available.		
<b>Section 12 – Ecological Information</b>		
No information available.		
<b>Section 13 – Disposal Considerations</b>		
Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with current national and regional regulations.		
<b>Section 14 – Transport Information</b>		
Product is stable under normal conditions.		
<b>Section 15 – Regulatory Information</b>		
<b>Creatinine Picric Acid Reagent</b> OSHA Status: Regulated under Subpart Z Classification: The preparation is classified and labeled according to EEC Directive n.88/379. Risk Statements: NA, Safety Statements: NA	<b>Creatinine Standard</b> OSHA Status: Regulated under Subpart Z Classification: The preparation is classified and labeled according to EEC Directive n.88/379. Risk Statements: NA, Safety Statements: NA	
<b>Creatinine Sodium Hydroxide Reagent</b> OSHA Status: Regulated under Subpart Z Classification: The preparation is classified and labeled according to EEC Directive n.88/379. Symbol: C (Corrosive) <b>Risk Statements:</b> Harmful by inhalation, in contact with skin and if swallowed. Causes burns. Irritating to eyes, respiratory system and skin. <b>Safety Statements:</b> Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. If swallowed, seek medical advice immediately and show this container or label.		
<b>Section 16 – Other Information</b>		
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		