



Safety Data Sheet

Revision Date: 29 September 2015

Product Name: DetectX® Urinary Creatinine Detection Kit

Section 1: Identification

Product Name: DetectX® Urinary Creatinine Detection Kit

Also known as: Catalog Numbers K002-H1 or K002-H5

Manufacturer Arbor Assays

/ Supplier 1514 Eisenhower Place

Ann Arbor, MI 48108-3284

U.S.A.

Telephone 734-677-1774 (U.S.)

Fax 734-677-6860 (U.S.)

Recommended Use For Research Use Only

Section 2: Hazard(s) Identification

Classification: Regulation (EC) No. 1272/2008 [CLP/GHS]

Picric Acid: Skin Sensitization, Category 1



Hazard statements: May cause an allergic skin reaction.
Explosive when dry.

Precautionary statements: Wash hands thoroughly after handling.
Wear protective gloves, clothing, and eye/face protection.

Section 3: Information on Ingredients

Components: Creatinine Standard (C003-1ML, C003-1ML 2ea)

Creatinine Reagent (C004-20ML, C004-50ML 2ea)

Description: Creatinine Reagent, C004, contains:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>
Picric Acid	88-89-1	< 0.2%

Additional components of the kit are non-hazardous or the specific chemical identity and/or exact percentage (concentration) of composition have been withheld as a trade secret.

Section 4: First-Aid Measures

Inhalation	If inhaled, remove to fresh air. Seek medical attention if any respiratory symptoms develop.
Skin Contact	Rinse with copious amounts of water and wash thoroughly with soap and water for 15 minutes. Remove contaminated clothing and shoes. If irritation or discomfort develops seek medical attention.
Eye Contact	Rinse eyes with running water, checking for and removing contact lenses. Continue for at least 15 minutes. Seek medical attention.
Ingestion	If swallowed, wash out mouth with water if person is conscious. Seek medical attention.

Section 5: Fire Fighting Measures

Flash Point	N/A
Explosion Hazards	Sensitivity to mechanical impact; may be shock-sensitive if dry.
Auto-ignition Temp	N/A
Flammability	N/A
Extinguishing Media	Suitable: Carbon Dioxide, dry chemical powder, or appropriate foam.
Firefighting	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fires conditions.

Section 6: Accidental Release Measures

Cleanup Procedures	Wear appropriate protective clothing. Ventilate area. Contain spill to prevent migration. Keep spilled materials wet with water. Do not allow to dry. Absorb on inert material, place in sealed container for disposal. Wash spill site after pickup is complete.
Waste Disposal	Dispose of in accordance with federal, state, and local regulations.

Section 7: Handling and Storage

Handling	Avoid getting components of this kit on you or in you. Do not breathe vapor or mist. Always wear appropriate protective clothing. Always wash hands and other exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. Qualified and experienced professionals should only handle this kit.
Storage	Store according to the package insert instructions.

Section 8: Exposure Controls / Personal Protection

Engineering Controls	No special engineering controls are required when working with this kit. Use with adequate ventilation.
Protective Equipment	Safety glasses are recommended to prevent eye contact. Chemical resistant gloves, lab coat should be worn to prevent skin contact.

Section 9: Physical and Chemical Properties

	Creatinine Reagent, C004 (Picric Acid, < 0.2%)
<u>Characteristic</u>	
Appearance	Clear yellow liquid
Odor	None
Boiling Point	N/A
Melting Point	N/A
Density	N/A
Vapor Pressure	N/A
Solubility in Water	Complete
pH	N/A

Section 10: Stability and Reactivity

Stability	This material is stable until the expiration date on the kit if stored as directed.
Hazardous	Thermal decomposition may release toxic fumes
Decomposition Products	
Incompatibilities	Strong oxidizing agents, strong bases, reducing agents, heavy metals, heavy metal salts, ammonia.

Section 11: Toxicological Information

<u>Route of Exposure</u>	
Skin Contact	May cause discoloration of the skin, sensitization dermatitis.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation.
Inhalation	May be harmful if inhaled.
Ingestion	Harmful if swallowed.
<u>Symptoms of Exposure</u>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

No data is available.

Section 13: Disposal Considerations

Dispose of waste materials, unused components and contaminated packaging in compliance with country, state, district and local regulations. If unsure of the applicable requirements, contact the authorities for information.

Section 14: Transport InformationU.S. and Canadian Transportation; DOT

Proper Shipping Name Chemical Kits
UN Identification Number 1789
Class and Description 8, Miscellaneous
Packing Group N/A
Hazard Label Class 8

International Air Transportation (IATA)

Proper Shipping Name Chemical Kits
UN Identification Number 1789
Class and Description 8, Miscellaneous
Packing Group III
Hazard Label Class 8

Section 15: Regulatory InformationProduct related information

The product is not subject to classification according to the sources of literature known to us.

Observe general safety regulations when handling chemicals.

Safety Statements

Avoid release to the environment.

Risk Statements

Harmful if swallowed.

U.S. Regulatory Information

Sara Listed: Yes. (Picric Acid, C004).

Section 16: Other Information

Disclaimer: For Research Use Only. Not for diagnostic, therapeutic, or other uses.

Further Information: The information contained in this document is accurate to the best of our knowledge and is provided in good faith. This document is intended only as a guide to the appropriate precautionary handling of the materials contained in this kit by properly trained personnel using this kit. Final determination or suitability of any materials is the sole responsibility of the user. Arbor Assays shall not be held liable for any damage resulting from use or handling of this product.