

Material Safety Data Sheet

Urine Creatinine Detection Kit (Cat No. SKT-200)

Section 1: Product and Company Identification

Product Name	Urine Creatinine Detection Kit
Catalog Number	SKT-200
Company	StressMarq Biosciences Inc. PO Box 55036 Cadboro Bay Victoria BC V8N4G0 CANADA Tel: 250.294.9065 Fax: 250-294-9025 info@stressmarq.com www.stressmarq.com

Section 2: Chemical Component Information

List of Components	Plates (SKC-200A) Creatinine Standard (SKC-200B) Creatinine Reagent (SKC-200C) Plate Sealer (SKC-200D)			
Hazardous Ingredients				
<u>Chemical Name</u>	<u>CAS #</u>	<u>Kit Component</u>	<u>Percent</u>	<u>SARA 313</u>
Picric Acid	88-89-1	Creatinine Reagent	<0.2%	Yes
Information on other specific chemicals of this kit is being withheld as a trade secret of the manufacturer.				

Section 3: Health Hazards

Emergency Overview	It is recommended that personnel wear safety goggles, gloves and protective clothing at all times. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical components of this kit and ensure prompt removal from skin, eye, and clothing.
Picric Acid	Toxic. Explosive when dry. Forms very sensitive explosive metallic compounds. Toxic by inhalation, in contact with skin and if swallowed. May cause sensitization by skin contact. Readily absorbed through skin. Target organ(s): Blood, kidneys.

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.

Section 5: Fire Fighting Measures

Flash Point	N/A
Explosion Limits	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.

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

Section 6: Accidental Release Measures

Cleanup Procedures	Wear appropriate protective clothing, Contain spill to prevent migration. Keep spilled materials wet with water. Do not allow to dry! Absorb on sand or vermiculite and place in closed container(s) for disposal. Ventilate area and 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. 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 and 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 and a lab coat should be worn to prevent skin contact.

Section 9: Physical and Chemical Properties

Characteristic	Picric Acid <0.2%
Appearance	Clear, yellow liquid
Odor	None
Boiling Point	N/A
Melting Point	N/A
Flash Point	N/A
Ignition temperature	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.
Conditions to Avoid	Drying, incompatibles.
Incompatibles	Strong oxidizing agents, strong bases, reducing agents, heavy metals, heavy metal salts, ammonia.
Decomposition	Thermal decomposition may release toxic fumes.

Section 11: Toxicological Information

Route of Exposure

Skin Contact	May cause skin irritation.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation.
Inhalation	May be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion	May be harmful if swallowed.

Symptoms of Exposure 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 Information

U.S. and Canadian Transportation; DOT

Proper Shipping Name	Chemical Kits
UN Identification Number	3316
Class and Description	9, Miscellaneous
Packing Group	N/A
Hazard Label	Class 9

International Air Transportation (IATA)

Proper Shipping Name	Chemical Kits
UN Identification Number	3316
Class and Description	9, Miscellaneous
Packing Group	III
Hazard Label	Class 9

Section 15: Regulatory Information

Product 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

Keep container tightly closed. Keep away from sources of ignition.

Risk Statements

Explosive when dry. Forms very sensitive explosive metallic compounds.

U.S. Regulatory Information

Sara Listed: Yes, the picric acid (CAS # 88-89-1) contained in this product is subject to SARA 313 Reporting requirements.

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. StressMarq Biosciences Inc. shall not be held liable for any damage resulting from use or handling of this product.