

Section 1: Product and Company Identification

Product Name **Hydrogen Peroxide Detection Kit**
 Catalog Number **SKT-216**
 Company StressMarq Biosciences Inc.
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Section 2: Chemical Component Information

List of Components Plates (SKC-216A)
 Hydrogen Peroxide Standard (SKC-216B)
 Assay Buffer Concentrate (SKC-216C)
 Colorimetric Substrate (SKC-216D)
 Horseradish Peroxidase Concentrate (SKC-216E)

Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>Kit Component</u>	<u>Percent</u>	<u>SARA 313</u>
Hydrogen Peroxide	7722-84-1	Hydrogen Peroxide Standard	<0.001%	No

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.

Hydrogen Peroxide **Hazard statement(s):**
 H271 May cause fire or explosion; strong oxidiser.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H333 May be harmful if inhaled.
 H402 Harmful to aquatic life.
Precautionary statement(s):
 P220 Keep/Store away from clothing/ combustible materials.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/ physician.

Section 4: First Aid Measures

Inhalation If inhaled, remove to fresh air.
 Skin Contact Wash thoroughly with soap and water.
 Eye Contact Rinse eyes with water.
 Ingestion If swallowed, wash out mouth with water if person is conscious. Consult a physician.

Section 5: Fire Fighting Measures

Flash Point	N/A
Explosion Limits	N/A
Auto-ignition Temp	N/A
Flammability	N/A
Extinguishing Media	Suitable: Water spray, carbon Dioxide or dry chemical powder.
Firefighting	Protective Equipment: Wear self-contained breathing apparatus if necessary.

Section 6: Accidental Release Measures

Cleanup Procedures	Wear appropriate protective clothing. Avoid breathing vapors, mist or gas. Contain spill to prevent migration. Wipe up spill, place in suitable, closed container for appropriate disposal. Wash area of spill with soap and water.
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	
Appearance	Clear, colorless liquid
Odor	N/A
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	N/A
pH	N/A

Section 10: Stability and Reactivity

Stability	This material is stable until the expiration date on the kit if stored as directed.
Incompatibles	N/A
Hazardous	N/A
Decomposition	
Products:	

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 harmful if inhaled. May be irritating to respiratory tract.
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

Avoid release to the environment.

Risk Statements

Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

U.S. Regulatory Information

Sara Listed: No materials contained in this product are subject to SARA 313 Reporting.

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.

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