

Section 1: Product and Company Identification

Product Name **SOD Colorimetric Activity Kit**
 Catalog Number **SKT-214**
 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 SOD Standard (SKC-214B)
 Assay Buffer (SKC-214C)
 Xanthine Oxidase Buffer (SKC-214D)
 Xanthine Oxidase Concentrate (SKC-214E)
 Substrate Diluent (SKC-214F)
 Substrate Concentrate (SKC-214G)

Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>Kit Component</u>	<u>Percent</u>	<u>SARA 313</u>
Sodium Hydroxide	1310-73-2	Substrate Diluent	<1%	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. This kit may contain material of human or animal origin and should be considered as potentially capable of transmitting infectious diseases.

Sodium Hydroxide May be harmful if inhaled, absorbed through skin or swallowed. May be irritating to eyes, respiratory system and skin.

Hazard Statement(s):

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

Precautionary Statement(s):

P234: Keep only in original container.

P260: Do not breathe {dust/fume/gas/mist/vapours/spray}.

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

Section 4: First Aid Measures

Inhalation If inhaled, remove to fresh air.

Skin Contact Rinse with copious amounts of water and wash thoroughly with soap and water. 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. Assure adequate flushing by separating the eyelids with fingers.

Ingestion If swallowed, wash out mouth with water if person is conscious.

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, alcohol-resistant foam, carbon dioxide, or dry chemical.
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. 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

<u>Characteristic</u>	Substrate Diluent, X101-12ML (Sodium Hydroxide, < 1%)
Appearance	Clear, colorless liquid
Odor	Pungent
Boiling Point	No Data Available
Melting Point	No Data Available
Density	Essentially the same as water
Vapor Pressure	Essentially the same as water
Solubility in Water	Complete
pH	> 12

Section 10: Stability and Reactivity

Stability	This material is stable until the expiration date on the kit if stored as directed.
Hazardous	Hazardous decomposition products formed under fire conditions – nature of these

Decomposition	products not known.
Product	
Incompatibilities	Materials such as strong acids, strong oxidizing agents, organic agents.

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	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.
Hazard Statement(s):
H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

Precautionary Statement(s):

P234: Keep only in original container.

P260: Do not breathe {dust/fume/gas/mist/vapours/spray}.

P264: Wash {hands} thoroughly after handling.

P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

U.S. Regulatory Information

Sara Listed: No, the sodium hydroxide (CAS# 1310-73-2) contained in this product is not 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.

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