

Material Safety Data Sheet

20S Proteasome Activity Kit (Cat No. SKT-133)

Section 1: Product and Company Identification

Product Name **20S Proteasome Activity Kit**
 Catalog Number **SKT-133**
 Company StressMarq Biosciences Inc.
 PO Box 55036 Cadboro Bay Victoria BC V8N4G0 CANADA
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Section 2: Chemical Component Information

List of All Components 10X *StressXpress*® proteasome assay buffer (SKC-133A)
 20S Proteasome (SKC-133B)
 MG132 (control inhibitor) (SKC-133C)
StressXpress® 96 well assay plate (SKC-133D)
StressXpress® AMC Standard (SKC-133E)
 Suc-LLVY-AMC (chymotrypsin-like substrate) (SKC-133F)

Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>Percent</u>	<u>SARA 313</u>
MG-132	133407-82-6	100%	No
7-amino-4-methylcoumarin standard (AMC)	26093-31-2	100%	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.

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

Section 5: Fire Fighting Measures

Extinguishing Media Suitable: Water spray, alcohol-resistant foam, carbon dioxide, or dry chemical. Fight larger fires with water spray or alcohol resistant foam.
 Firefighting Protective Equipment: Wear self-contained breathing apparatus if necessary. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

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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>	<u>General Information</u>
Appearance	Clear, colorless liquid
Odor	Characteristic
Boiling Point	Not determined
Melting Point	Not determined
Flash Point	Not applicable
Ignition temperature	Decomposition temperature: Not determined
Vapor Pressure	Not determined
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. Avoid strong oxidizing agents.
Conditions to Avoid	No dangerous reactions known.
Incompatibles	No further relevant information available.

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

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
R21/22 Harmful in contact with skin and if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.

U.S. Regulatory Information

Sara Listed: No, none of the materials contained in this product are 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.