

Material Safety Data Sheet (MSDS)

Universal Cryopreservation Solution

SECTION 1: GENERAL INFORMATION

Product name	Universal Cryopreservation Solution	
Catalog number	ST03005, ST03005-100	
Synonyms	Not Applicable	
Application of substance	Cell culture	
Intended use	For professional use and research purposes only.	
Manufacturer	Stemmera Inc., USA	
Address	1751, Fortune Drive, Unit G-2, San Jose, CA 95131 USA	
Emergency contact no.	+1-650-776-5670	Email: info@stemmera.com

For *in vitro* use. CAUTION: Not for human or animal therapeutic use.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

SECTION 3: HAZARDS IDENTIFICATION

Potential Health Effects	
Eyes	May cause irritation
Skin	May cause irritation and/or allergic reaction
Inhalation	May cause irritation and/or allergic reaction
Ingestion	Harmful if swallowed
Chronic Effects/Carcinogenicity	Not available
OSHA Regulatory Status	Not available

SECTION 4: FIRST AID MEASURES

Eyes	Rinse immediately with copious amounts of water for at least 15 minutes. If symptoms persist, contact physician.
Skin	Rinse cautiously with water for several minutes. If symptoms occur, obtain medical advice.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, contact a physician. Do not induce vomiting without medical advice.
Inhalation	Remove to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Note to Physician	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Fire Fighting Procedures	Wear self-contained breathing apparatus and protective suit.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate protective equipment.
Methods for cleaning up	Soak up with inert absorbent material.

SECTION 7: HANDLING AND STORAGE

Handling	Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
Storage	Store at -20°C. Keep containers tightly closed when not in use and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONS

Exposure Limits: We are not aware of any national exposure limit.
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Personal Protective Equipment	
Respiratory protection	Handle the material in well-ventilated areas. In case of insufficient ventilation wear suitable respiratory equipment.
Eye protection	Laboratory safety glasses with side-shields or goggles required.
Hand protection	Laboratory chemical-resistant gloves required.
Skin and body protection	Laboratory protective clothing required.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls	Prevent product from entering drains.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

General Information	
Physical State	Liquid
Appearance	No Data Available
Odor	No Data Available
Boiling Point	No Data Available
Melting Point	No Data Available
Flash Point	No Data Available
Autoignition Temperature	No Data Available
Oxidizing properties	No Data Available
Solubility in Water	Soluble

The physical properties of this product has not been determined but are believed to be very close to that of water.

SECTION 10: STABILITY AND REACTIVITY

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Stability	Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product.
Conditions to avoid	Sodium hypochlorite.
Hazardous decomposition products	None under normal use.
Polymerization	No occurrence of hazardous polymerization.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

No toxicology information is available.

Principle Routes of Exposure	Potential Health Effects
Eyes	May cause eye irritation in susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful when inhaled.
Ingestion	May be harmful if swallowed.

Carcinogenic effects	None
Mutagenic effects	None
Reproductive toxicity	None
Sensitization	None
Target Organ Effects	No known effects under normal use conditions

SECTION 12: ECOLOGICAL INFORMATION

Bioaccumulation	Does not bioaccumulate
Biodegradation	Naturally biodegradable
Ecotoxicity effects	No information available
Mobility	No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Product should be disposed of as potentially biohazardous material. Waste material must be disposed of in accordance with federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations.
Hazard class	None
Packing group	None
Subsidiary Class	None
UN-No	None

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

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SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16: OTHER INFORMATION

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

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