

SAFETY DATA SHEET**Product Name:** CryoStor[®] CS5

SDS Date: 04 November 2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: CryoStor[®] CS5
Synonyms: CryoStor, CS5
Product Codes: 205102, 205373, 205202
Manufacturer: BioLife Solutions, Inc.
Address: 3303 Monte Villa Pkwy, Suite 310, Bothell, WA 98021 USA
Emergency Phone: Call local poison control center. In USA 1-800-222-1222.
Other Calls: 866.424.6543
Fax: 425.402.1433
Product Use: Ultra-low temperature (-70° to -196°C) storage of biological material (cells, tissues and organs)

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: None
GHS Label: Pictogram: NA
Signal Word: NA
Precautionary Statements: NA
Response: If on Skin: Wash with plenty of soap and water.
If in Eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. If eye irritation persists, get medical attention.
If on Clothes: Take off contaminated clothing and wash before reuse.
Storage: Protect from light during storage at 2-8°C.
Disposal: Dispose of contents/container in accordance with local/national regulations.
Hazards not otherwise classified (HNOC) or not covered by GHS: NA
Physical Appearance: Clear liquid
Routes of Entry: Oral, Skin, Eyes
Odor: Essentially Odorless

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient: Dimethyl Sulfoxide (DMSO)
CAS NO: 67-68-5 MF: C₂H₆O_S %Vol: 5% (v/v)
Notes: For further information refer to DMSO MSDS – Gaylord Chemical (DMSO-USP/PhEur).
All other ingredients in the proportions used are considered non-hazardous by regulating bodies worldwide.

SECTION 4: FIRST AID MEASURES

Eyes: Flush with running water for >10 minutes.
Skin: Wash skin thoroughly with soap and water. Wash contaminated clothing before reuse.
Ingestion: If swallowed, give two glasses of water and induce vomiting. Never give anything to an unconscious person.
Call a physician.
Inhalation: NA
Physician/First Aid Provider Notes: CryoStor is intended for ultra-low temperature preservation of cells, tissues and organs.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Use any suitable media for extinguishing material supporting the fire.
Special Fire Fighting Procedures: Standard measures apply.
Unusual Fire & Explosion Hazards: Not a fire or explosion hazard.
Flammability: Non-flammable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate PPE (see Section 8).
Spills: Standard non-hazardous chemical spill clean-up measures apply.
Disposal: Dispose of contents/container in accordance with local/national regulations

SECTION 7: HANDLING AND STORAGE

Handling:	Use good laboratory practices while handling. Avoid inhaling vapors or mist. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.
Storage:	Protect from light during storage at 2-8°C. Store in accordance with federal, state, and local regulations. Do not consume food, drink, or tobacco in areas where they may become contaminated with this material.
Engineering Controls:	NA

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	NA
Ventilation:	NA
Respiratory Protection:	This material does not have established workplace exposure limits. Wear an appropriate NIOSH/MSHA approved air purifying respirator or positive pressure air supplied respirator in situations where a respirator is judged appropriate to prevent inhalation of vapors or mist.
Eye Protection:	Chemical laboratory safety goggles or as recommended by internal laboratory.
Skin Protection:	Latex/Non-Latex gloves or as recommended by internal laboratory.
Other Protective Clothing Or Equipment:	Wear impervious clothing such as apron, boots, jumpsuit, or whole body suit as appropriate to avoid exposure.
Work Hygienic Practices:	Use good laboratory precautions and practices. Wash hands following handling of material.
Exposure Guidelines:	Wash exposed area thoroughly. Refer to Section 4 First Aid Measures for details.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid	Upper Flammability Limit:	Unknown
Odor:	Odorless	Lower Flammability Limit:	Unknown
Odor Threshold:	NA	Vapor Pressure:	Unknown
pH:	7.4 to 7.7	Vapor Density (Air=1):	Unknown
Melting Point:	0°C	Specific Gravity (Water=1):	1.06 at Room Temp.
Freezing Point:	-4°C	Solubility in Water:	Soluble
Boiling Point:	Unknown	Octanol/Water Partition Coefficient:	Unknown
Flash Point:	Unknown	Auto Ignition Temperature:	Unknown
Evaporation Rate:	Unknown	Decomposition Temperature:	Unknown
Flammability:	NA	Viscosity:	Unknown

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	NA
Stability:	Stable
Possibility of Hazardous Reactions:	No data available
Conditions to Avoid (Stability):	Storage and use of product at elevated temperatures >22°C
Incompatibility (Material to Avoid):	Acid chlorides, phosphorous halides, strong acids, strong oxidizing agents, strong reducing agents
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, sulfur oxides
Hazardous Polymerization:	NA

SECTION 11: TOXICOLOGICAL INFORMATION

No data available

SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal with non-hazardous materials. Observe all federal, state, and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

US Department of Transportation: Proper Shipping Name: CryoStor® Hazard Class: NA

SECTION 15: REGULATORY INFORMATION

No data available

SECTION 16: OTHER INFORMATION

Other Information:	The data on this Safety Data Sheet relate only to the specific material herein and do not relate to use in combination with any other material or process.
Preparation Information:	This information is believed to be accurate and represents the best information available to date.
Disclaimer:	We make no warranty or assume any liability from its use. Users should make their own investigations to determine the suitability of the information.