

SAFETY DATA SHEET**Product Name:** CryoStor[®] CS2

SDS Date: 04 November 2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: CryoStor[®] CS2
Synonyms: CryoStor, CS2
Product Codes: 202102
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.
Hazard 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: 2% (v/v)
Note: For further information refer to DMSO MSDS – Gaylor 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 ultralow 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

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| 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

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| 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

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| Appearance: | Clear liquid | Upper | Flammability Limit: | Unknown |
| Odor: | Odorless | | Lower Flammability Limit: | Unknown |
| Odor Threshold: | NA | | Vapor Pressure: | Unknown |
| pH: | 7.5 to 7.7 | | Vapor Density (Air=1): | Unknown |
| Melting Point: | 0°C | | Specific Gravity (Water=1): | 1.05 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

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| Reactivity: | NA |
| Stability: | Stable |
| 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

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| 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. |