

**SAFETY DATA SHEET****Product Name: CryoStor<sup>®</sup> SCO 4B**

SDS Date: 04 January 2016

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

Product Name: CryoStor<sup>®</sup>SCO 4B  
Synonyms: CryoStor, SCO 4B  
Product Codes: 881104  
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°C 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  
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: C<sub>2</sub>H<sub>6</sub>O<sub>S</sub> %Vol: 4% (vol/vol)  
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.

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**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

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**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.

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**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:	7.1 to 7.7	Vapor Density (Air=1):	Unknown
Melting Point:	Unknown	Specific Gravity (Water=1):	~1.075
Freezing Point:	Unknown	Solubility in Water:	Soluble
Boiling Point:	Unknown	Octanol/Water Partition Coefficient:	Unknown
Flashpoint:	Unknown	Auto Ignition Temperature:	Unknown
Evaporation Rate:	Unknown	Decomposition Temperature:	Unknown
Flammability:	NA	Viscosity:	Unknown

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**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

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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No data available

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**SECTION 12: ECOLOGICAL INFORMATION**

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No data available

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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Waste Disposal Method:	Disposal with non-hazardous materials. Observe all federal, state, and local environmental regulations.
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**SECTION 14: TRANSPORT INFORMATION**

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US Department of Transportation:	Proper Shipping Name: CryoStor®	Hazard Class:	NA
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**SECTION 15: REGULATORY INFORMATION**

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No data available

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**SECTION 16: OTHER INFORMATION**

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Other Information:	The data on this Material Safety Data Sheet relates only to the specific material herein and does 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.