

SAFETY DATA SHEET**Product Name:** BloodStor[®] 55-5

SDS Date: 09 January 2017


SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: BloodStor[®] 55-5
Synonyms: N/A
Product Codes: 355371, 355372, 355469, 355210
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: Combustible liquid



GHS Label: Pictogram: 
Signal Word: Warning
Hazard Statements: H227 Combustible liquid.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
Precautionary Statements: P210 Keep away from heat/sparks/open flames/hot surfaces No smoking.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/eye protection, face protection.

Response: If on Skin: P302 & 352 Wash with plenty of soap and water.
If in Eyes: P305, 351, & 338 Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
If on Clothes: P362 Take off contaminated clothing and wash before reuse.

Storage: P403 & 235 Store in a well-ventilated place. Keep cool.
Disposal: P501 Dispose of contents/container in accordance with local/national regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS: None
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: 55% (wt/vol)
MSDS information is for 100% DMSO. 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

General: Never give fluids or induce vomiting if patient is unconscious or is having convulsions. When symptoms persist, seek medical attention.

Note: BloodStor[®] 55-5 in general is not dangerous to people, but like any other chemical; it should be treated with care, respect, and common sense.

Eyes: Flush with running water for >15 minutes. If irritation persists, seek medical attention.

Skin: Wash skin thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Seek immediate medical attention. Do NOT induce vomiting.

Inhalation: Remove to fresh air. If breathing has stopped, provide artificial respiration. Keep the victim warm and seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

100% DMSO HAS COMBUSTIBLE LIQUID AND VAPOR.

Extinguishing Media:	Foam, carbon dioxide, dry powder, and water spray
Special Protective Equipment:	Wear a Self-Contained Breathing Apparatus (SCBA) rubber gloves, rubber suit
Special Exposure Hazards:	Burning product may produce poisonous gasses (sulfur oxides)
Flashpoint:	Unknown closed cup; unknown open cup
ERG Guide Number:	128

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	In case of mist formation, use a respirator or Self-Contained Breathing Apparatus (SCBA). Wear appropriate PPE (see Section 8).
Spills:	Consult environmental supervisor. Remove ignition sources. Ventilate the area. Do not breathe vapor or get liquid on skin/eyes/clothing.
Disposal:	Observe all local waste regulations prior to disposal. Dilute and flush to wastewater treatment or absorb with inert material. Do not allow to enter streams or waterways.

SECTION 7: HANDLING AND STORAGE

Handling:	Keep away from sources of ignition. 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:	NA	Vapor Density (Air=1):	Unknown
Melting Point:	Unknown	Specific Gravity (Water=1):	1.09 at Room Temp.
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:	Unknown	Viscosity:	Unknown

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Hazardous polymerization will not occur
Stability:	Stable
Possibility of Hazardous Reactions:	No data available
Conditions to Avoid:	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:	Sulfur dioxide, formaldehyde, methyl mercaptan, dimethyl sulfide, dimethyl disulfide, and bis (methylthio) methane.
Hazardous Polymerization:	Will not occur. No stabilizers are needed or present.

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

UN Number: Not Regulated
UN Proper Shipping Name: Not Regulated
Transportation Hazard Class: Not Regulated
Packing Group: Not Regulated

SECTION 15: REGULATORY INFORMATION

No data available

SECTION 16: OTHER INFORMATION

Other Information: The data on this Material 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.