

SAFETY DATA SHEET

SDS Date: 20 June 2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s):	(A) <u>iCell® products</u> : iCell Astrocytes Prototype; iCell Cardiomyocytes, iCell Cardiomyocytes ² ; iCell Cardiac Progenitor Cells Prototype; iCell DopaNeurons; iCell Endothelial Cells; iCell GlutaNeurons; iCell Hepatoblasts Prototype; iCell Hematopoietic Progenitor Cells Prototype; iCell Hepatocytes, iCell Hepatocytes 2.0, iCell Hepatocytes 2.0 Prototype; iCell Induced Neurons; iCell Macrophages Prototype; iCell Mesenchymal Stem Cells; iCell Motor Neurons; iCell Neurons; iCell Skeletal Myoblasts Prototype (B) <u>MyCell® Custom Products</u> : MyCell CUS Astrocytes; MyCell CUS Cardiomyocytes, MyCell CUS Cardiomyocytes ² ; MyCell CUS Cardiac Progenitor Cells; MyCell CUS DopaNeurons; MyCell CUS Endothelial Cells; MyCell CUS Hematopoietic Progenitor Cells; MyCell CUS Hepatocytes, MyCell CUS Hepatocytes 2.0; MyCell CUS iPS Cells, MyCell CUS Engineered iPS Cells; MyCell CUS Macrophages; MyCell CUS Motor Neurons; MyCell CUS Neurons; MyCell CUS Skeletal Myoblasts (C) <u>MyCell Disease and Diversity Products</u> : MyCell DDP Cardiomyocytes, MyCell DDP Neurons
Product Catalog Number(s):	(A) <u>iCell products</u> : ASC-100-020-001-PT; CMC-100-010-000.5, CMC-100-010-001, CMC-100-010-005, CMC-100-012-000.5, CMC-100-012-001, CMC-100-110-001, CMC-100-110-005; CPC-301-020-001-PT; DNC-301-030-001; ECC-100-010-001; GNC-301-030-001, GNC-301-030-001-PT; HBC-100-020-001-PT; HCC-100-010-001, PHC-100-020-001, PHC-100-020-001-PT; INC-301-010-001-PT; MAC-301-010-001-PT; MNC-301-030-001-PT; MSC-301-010-001-PT; NRC-100-010-000.5, NRC-100-010-001; SKM-301-020-001-PT (B) <u>MyCell Custom Products</u> : CUS-ASC-05X, CUS-ASC-1X; iPSC-CM, CUS-CMC-0.5X, CUS-CMC-1X, CUS-CM2-0.5X, CUS-CM2-1X; CUS-CPC-0.5X, CUS-CPC-1X; iPSC-DN, CUS-DNC-0.5X, CUS-DNC-1X; iPSC-EC, CUS-ECC-0.5X, CUS-ECC-1X; CUS-HPC-0.5X, CUS-HPC-1X; iPSC-HC, iPSC-HC 2.0, CUS-PHC-0.5X, CUS-PHC-1X; iPSC, CUS-iPSC; iPSC-ENG, CUS-iPSC-ENG; iPSC-MAC, CUS-MAC-0.5X, CUS-MAC-1X; CUS-MNC-0.5X, CUS-MNC-1X; iPSC-NC, CUS-NRC-0.5X, CUS-NRC-1X; iPSC-SKM, CUS-SKM-0.5X, CUS-SKM-1X (C) <u>MyCell Disease and Diversity Products</u> : DDP-CMC-0.5X, DDP-CMC-1X, DDP-NRC-1X, DDP-NRC-0.5X
Company Identification:	Cellular Dynamics International, Inc. 525 Science Drive, Madison, WI 53711 USA Toll free in US (877) 310-6688 / (608) 310-5100 Phone: Fax:

SECTION 2: COMPOSITION / INFORMATION ON KNOWN HAZARDOUS INGREDIENTS

Ingredient:	Dimethyl sulfoxide (DMSO) CAS NO: 67-68-5 MF: C ₂ H ₆ O _S %Vol 10% (vol/vol) For further information, refer to DMSO SDS - Gaylord Chemical (DMSO-USP). All other ingredients in the proportions used are considered non-hazardous by regulating bodies worldwide.
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SECTION 3: HAZARDS IDENTIFICATION

Routes of Entry:	Oral, skin, eyes
Potential Health Effects:	
Eyes:	NA
Skin:	NA
Ingestion:	Nausea
Inhalation:	NA
Acute Health Hazards:	NA

Chronic Health Hazards: NA
Medical Conditions Generally Aggravated by Exposure: Not known
Carcinogenicity: None of the components at concentrations equal to or greater than 0.1% are listed by NTP, IARC, or OSHA as a carcinogen. To the best of our knowledge, the chemical, physical, toxicological, and carcinogenic properties of DMSO have not been thoroughly investigated.

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

SECTION 5: FIRE-FIGHTING MEASURES

Flammability: Non-flammable
Method Used: NA
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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Standard non-hazardous chemical spill cleanup measures apply. Use appropriate protective equipment during cleanup. Soak up spill with absorbent material.

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: 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.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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: Rubber 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	Vapor Density (Air=1):	NA
Odor:	Slight odor	Specific Gravity (H ₂ O=1):	NA
Physical State:	Liquid	Evaporation Rate:	NA
Boiling Point:	NA	Solubility in Water:	Soluble
Melting Point:	0°C	Percent Solids by Weight:	NA
Freezing Point:	-4°C	Percent Volatile:	NA
Vapor Pressure:	NA	Volatile Organic Compounds (VOC):	None

SECTION 10: STABILITY AND REACTIVITY

Incompatibility (Material to Avoid): Acid chlorides, phosphorous halides, strong acids, strong oxidizing agents, strong reducing agents
Hazardous Decomposition or By-Products: Carbon monoxide, carbon dioxide, sulfur oxides
Hazardous Polymerization: NA

SECTION 11: TOXICOLOGICAL INFORMATION

No information found

SECTION 12: ECOLOGICAL INFORMATION

No information found

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

US Department of Transportation: Proper Shipping Name: NA
UN Number: None
Hazard Class: None

SECTION 15: REGULATORY INFORMATION

No information found

SECTION 16: OTHER INFORMATION

Other Information: The data on this SDS 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.