

## SAFETY DATA SHEET

SDS Date: 9 October 2017

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s):	(A) <u>iCell® products</u> : iCell Astrocytes, iCell Astrocytes Prototype; iCell Cardiomyocytes, iCell Cardiomyocytes <sup>2</sup> ; iCell Cardiac Progenitor Cells, iCell Cardiac Progenitor Cells, iCell Cardiac Progenitor Cells Prototype; iCell DopaNeurons; iCell Endothelial Cells; iCell GlutaNeurons; iCell Hepatoblasts, iCell Hepatoblasts Prototype; iCell Hematopoietic Progenitor Cells, iCell Hematopoietic Progenitor Cells Prototype; iCell Hepatocytes, iCell Hepatocytes 2.0, iCell Hepatocytes 2.0 Prototype; iCell Induced Neurons; iCell Macrophages, iCell Macrophages Prototype; iCell Mesenchymal Stem Cells, iCell Mesenchymal Stem Cells Prototype; iCell Motor Neurons; iCell Neurons, iCell GABANeurons; iCell Retinal Pigment Epithelial Cells; iCell Skeletal Myoblasts, iCell Skeletal Myoblasts Prototype
	(B) <u>MyCell® Custom Products</u> : MyCell CUS Astrocytes; MyCell CUS Cardiomyocytes, MyCell CUS Cardiomyocytes <sup>2</sup> ; 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, C1037; C1006, C1016, 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; C1038, CPC-301-020-001-PT; C1028, C1087, DNC-301-030-001; C1021, ECC-100-010-001; C1033, C1060, GNC-301-030-000.5, GNC-301-030-001, GNC-301-030-001-PT; C1040, HBC-100-020-001-PT; C1026, C1035, HCC-100-010-001, PHC-100-020-001, PHC-100-020-001-PT; C1039, HPC-301-020-001-PT; C1042, INC-301-010-001-PT; C1044, MAC-301-010-001-PT; C1048, MNC-301-030-001-PT; C1043, MSC-301-010-001-PT; C1008, C1012, C1052, C1083, NRC-100-010-000.5, NRC-100-010-001; C1046, C1047; C1045, SKM-301-020-001-PT, C1090, C1023, C1105, C1106, C1089, C1000
	(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.
Address:	525 Science Drive, Madison, WI 53711 USA
Phone:	Toll free in US (877) 310-6688 / (608) 310-5100
Fax:	(608) 310-5101

### SECTION 2: COMPOSITION / INFORMATION ON KNOWN HAZARDOUS INGREDIENTS

Ingredient:	Dimethyl sulfoxide (DMSO)		
	CAS NO: 67-68-5	MF: C2H6OS	%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.

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**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

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**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

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**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.
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**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.

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**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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear liquid	Vapor Density (Air=1):	NA
Odor:	Slight odor	Specific Gravity (H <sub>2</sub> 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

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**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

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**SECTION 11: TOXICOLOGICAL INFORMATION**

No information found

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**SECTION 12: ECOLOGICAL INFORMATION**

No information found

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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

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**SECTION 14: TRANSPORT INFORMATION**

US Department of Transportation: Proper Shipping Name: NA

UN Number: None

Hazard Class: None

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**SECTION 15: REGULATORY INFORMATION**

No information found

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**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.