

SAFETY DATA SHEET

SDS Date: 07 February 2018

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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| Product Name(s): | (A) <u>iCell® products</u> : iCell Astrocytes, iCell Astrocytes Prototype; iCell Cardiomyocytes, iCell Cardiomyocytes ² ; 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 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, MyCell GABANeurons |
| Product Catalog Number(s): | (A) <u>iCell products</u> : ASC-100-020-001-PT, C1037; C1006, C1016, C1105, C1106, 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; C1023, C1026, C1035, C1090, 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, C1050, 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 |
| | (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, C1120, C1121 |
| 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

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| 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. | | |

SECTION 3: HAZARDS IDENTIFICATION

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| 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

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| 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

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| 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

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| 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

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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: | 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

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| 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

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| Appearance: | Clear liquid | Vapor Density (Air=1): | NA |
| Odor: | Slight odor | Specific Gravity (H2O=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.