

SAFETY DATA SHEET

SDS Date: 30 October 2018

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

- Product Name(s):
- (A) iCell® Products: iCell Astrocytes, iCell Astrocytes Prototype; iCell Cardiomyocytes, iCell Cardiomyocytes²; 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 2.0, iCell Hematopoietic Progenitor Cells Prototype; iCell Hepatocytes, iCell Hepatocytes 2.0, iCell Hepatocytes 2.0 Prototype; iCell Induced Neurons; iCell Macrophages, iCell Macrophages 2.0, iCell Macrophages Prototype; iCell Mesenchymal Stem Cells, iCell Mesenchymal Stem Cells Prototype; iCell Motor Neurons; iCell Neurons, iCell GABANeurons; iCell Microglia; iCell Retinal Pigment Epithelial Cells; iCell Skeletal Myoblasts, iCell Skeletal Myoblasts Prototype
 - (B) MyCell® Products and MyCell Custom Products: Custom Astrocytes, MyCell Astrocytes; Custom Cardiomyocytes, Custom Cardiomyocytes², MyCell Cardiomyocytes, MyCell Cardiomyocytes²; Custom Cardiac Progenitor Cells, MyCell Cardiac Progenitor Cells; Custom DopaNeurons, MyCell DopaNeurons; Custom iCell Endothelial Cells, MyCell Endothelial Cells; Custom GlutaNeurons; Custom Hematopoietic Progenitor Cells; Custom Hepatoblasts; MyCell Hematopoietic Progenitor Cells; Custom Hepatocytes, Custom Hepatocytes 2.0, MyCell Hepatocytes, MyCell Hepatocytes 2.0; Custom Induced Neurons; Custom iPS Cells, Custom Genetically Engineered Cells, MyCell iPS Cells, MyCell Engineered iPS Cells; Custom Macrophages, MyCell Macrophages; Custom Motor Neurons, MyCell Motor Neurons; Custom GABANeurons, MyCell Neurons; Custom Mesenchymal Stem Cells; Custom Microglia; Custom Motor Neurons; Custom PBMC; Custom Skeletal Myoblasts, MyCell Skeletal Myoblasts
 - (C) MyCell Disease and Diversity Products: MyCell Cardiomyocytes, MyCell DDP Cardiomyocytes; MyCell DDP Neurons, MyCell GABANeurons; MyCell DopaNeurons
- Product Catalog Number(s):
- (A) iCell Products: ASC-100-020-001-PT, C1036, C1037; C1006, C1016, C1056, C1058, C1089, 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; C1107, C1114, C1021, ECC-100-010-001; C1033, C1060, GNC-301-030-000.5, GNC-301-030-001, GNC-301-030-001-PT; C1040, C1041, HBC-100-020-001-PT; C1023, C1026, C1035, C1054, C1090, HCC-100-010-001, PHC-100-020-001, PHC-100-020-001-PT; C1039, C1092, C1115, C1122, HPC-301-020-001-PT; C1042, INC-301-010-001-PT; C1044, C1091, MAC-301-010-001-PT; C1048, C1050, MNC-301-030-001-PT; C1043, MSC-301-010-001-PT; C1008, C1012, C1117, C1118, NRC-100-010-000.5, NRC-100-010-001; C1110; C1046, C1047; C1045, SKM-301-020-001-PT
 - (B) MyCell Products and MyCell Custom Products: C1067, CUS-ASC-05X, CUS-ASC-1X; C1062, C1068, C1125, CUS-CMC-0.5X, CUS-CMC-1X, CUS-CM2-0.5X, CUS-CM2-1X, iPSC-CM; C1069, CUS-CPC-0.5X, CUS-CPC-1X; C1070, C1123, CUS-DNC-0.5X, CUS-DNC-1X, iPSC-DN; C1064, CUS-ECC-0.5X, CUS-ECC-1X, iPSC-EC; C1079; C1071, CUS-HPC-0.5X, CUS-HPC-1X; C1066, C1076, CUS-PHC-0.5X, CUS-PHC-1X, iPSC-HC, iPSC-HC 2.0; C1072; C1077; C1073, C1074, CUS-iPSC; CUS-iPSC-ENG, iPSC, iPSC-ENG; C1065, CUS-MAC-0.5X, CUS-MAC-1X; CUS-MNC-0.5X, CUS-MNC-1X iPSC-MAC; C1078; C1063, C1124, CUS-NRC-0.5X, CUS-NRC-1X, iPSC-NC; C1108, C1109; C1075; C1126; C1080, CUS-SKM-0.5X, CUS-SKM-1X, iPSC-SKM
 - (C) MyCell Disease and Diversity Products: C1081, C1085, C1119, DDP-CMC-0.5X, DDP-CMC-1X; C1120, C1121, DDP-NRC-1X, DDP-NRC-0.5X; C1112, C1113

Company Identification: FUJIFILM Cellular Dynamics, Inc.
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SECTION 2: COMPOSITION / INFORMATION ON KNOWN HAZARDOUS INGREDIENTS

Ingredient: Dimethyl sulfoxide (DMSO)
CAS NO: 67-68-5 MF: C₂H₆O_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.

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.