

MATERIAL SAFETY DATA SHEET

MSDS Date: 4 November 2011

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): iCell® Cardiomyocytes, iCell® Endothelial Cells, iCell® Neurons
Product Catalog Number(s): CMC-100-010-001, CMC-100-010-005, CMC-100-110-001, CMC-100-110-005,
ECC-100-010-001, NRC-100-010-001
Company Identification: Cellular Dynamics International, Inc.
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SECTION 2: COMPOSITION / INFORMATION ON KNOWN HAZARDOUS INGREDIENTS

Ingredient: Dimethyl sulfoxide (DMSO) MF: C₂H₆O_S %Vol 10% (vol/vol)
CAS NO: 67-68-5
For further information, refer to DMSO MSDS - 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 (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 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.