



M1049

## SAFETY DATA SHEET

Issuing Date: 10-Apr-2023

Version 1

### iCell Plating Supplement B

#### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	iCell Plating Supplement B
<b>Product code</b>	M1049
<b>SAP Number</b>	92600000672
<b>Product Use</b>	For research use only.
<b>Manufactured by</b>	FUJIFILM Cellular Dynamics, Inc. 525 Science Drive Madison, WI 53711
<b>SDSs are available at the following website(s):</b>	<a href="https://fujifilmcdi.com">https://fujifilmcdi.com</a>
<b>Company Phone Number</b>	U.S.A: 877-320-6688 U.S.A: 608-310-5100
<b>Emergency Telephone</b>	Transport-CHEMTREC Inside NA: 800-424-9300 Transport-CHEMTREC Outside NA: 703-527-3887 Transport-CANUTEC Inside Canada: 613-996-6666 Medical Emergency (24 hour): 877-935-7387
<b>E-mail</b>	fcdi-support@fujifilm.com

#### 2. HAZARDS IDENTIFICATION

##### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

##### GHS Label elements, including precautionary statements

Not classified

### Precautionary Statements

**Prevention**

Not applicable

**Response**

Not applicable

**Storage**

Not applicable

**Disposal**

Not applicable

**Hazards not otherwise classified (HNOC)**

Not classified

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Chemical name	CAS No	Weight-%
Dimethyl Sulfoxide	67-68-5	80-100%

## 4. FIRST AID MEASURES

**Description of first aid measures****General advice**

Immediate medical attention is not required.

**Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin contact**

Wash off immediately with plenty of water. Get medical attention if irritation develops and persists.

**Inhalation**

Move to fresh air. If symptoms persist, call a physician.

**Ingestion**

If swallowed, do not induce vomiting - seek medical advice.

**Most important symptoms and effects, both acute and delayed**

None known.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Foam. Dry powder. Sand.

### Unsuitable Extinguishing Media

None known.

### Specific hazards arising from the chemical

None known.

### Hazardous Combustion Products

Carbon oxides. Sulfur oxides.

### Explosion Data

**Sensitivity to Mechanical Impact** none

**Sensitivity to Static Discharge** none

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with skin, eyes or clothing.

### Environmental precautions

Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation.

### Conditions for safe storage, including any incompatibilities

Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures below -20°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA - Workplace Environmental Exposure

Dimethyl Sulfoxide				<b>Levels (WEELs) - TWAs</b> 250 ppm TWA
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**Appropriate engineering controls**

**Engineering Measures**                      Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**                      If splashes are likely to occur, wear safety glasses with side-shields.

**Skin and body protection**                      Wear protective gloves/clothing.

**Respiratory protection**                      None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**General Hygiene Considerations**                      When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, Colorless	<b>Physical state</b>	Liquid
<b>Odor Threshold</b>	Not available	<b>Odor</b>	Not available
<b>Molecular Weight</b>	Not available	<b>pH</b>	No data available
<b>Autoignition temperature</b>	Not available	<b>Flash point</b>	Not available
<b>Boiling point / boiling range</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Freezing Point</b>	Not available	<b>Melting point / melting range</b>	Not available
<b>Flammability Limit in Air</b>	Not available		
<b>Oxidizing Properties</b>	Not available	<b>Explosive Properties</b>	Not available
<b>Solubility</b>	Not available	<b>Partition coefficient</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor density</b>	No data available	<b>Density</b>	Not available
<b>VOC (lb/gal)</b>	Not available	<b>VOC (g/l)</b>	Not available
<b>Dynamic viscosity</b>	Not available		

## 10. STABILITY AND REACTIVITY

**Reactivity**

Stable under recommended storage conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Protect from sunlight.

**Incompatible materials**

Strong oxidizing agents.

#### Hazardous decomposition products

Carbon oxides. Sulfur oxides.

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

#### Product Information

##### Acute toxicity

**Inhalation**

Non-irritating during normal use.

**Eyes**

Non-irritating during normal use.

**Skin**

Non-irritating during normal use.

**Ingestion**

Ingestion may cause stomach discomfort.

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl Sulfoxide	= 28300 mg/kg ( Rat )	= 40000 mg/kg ( Rat )	> 5.33 mg/L ( Rat ) 4 h

#### Symptoms related to the physical, chemical and toxicological characteristics

No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Irritation</b>	Non-irritating during normal use.
<b>Corrosivity</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>Carcinogenicity</b>	None known.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target organ effects** None known.

**Aspiration hazard** No information available.

#### Numerical measures of toxicity - Product Information

ATEmix (oral) >5000 mg/kg

ATE: Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Dimethyl Sulfoxide		LC50: =34000mg/L (96h, Pimephales promelas) LC50: 33 - 37g/L (96h, Oncorhynchus mykiss) LC50: >40g/L (96h, Lepomis macrochirus) LC50: =41.7g/L (96h, Cyprinus carpio)		

#### Persistence and degradability

No information available.

#### Bioaccumulation

Chemical name	Partition coefficient
Dimethyl Sulfoxide	-1.35

#### Mobility

No information available.

#### Other adverse effects

No information available.

### 13. DISPOSAL CONSIDERATIONS

#### Waste Disposal Methods

Dispose of in accordance with local regulations.

#### Contaminated packaging

Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

ADR Not regulated

ADN Not regulated

### 15. REGULATORY INFORMATION

**International Inventories**

<b>TSCA</b>	No
<b>DSL/NDL</b>	No
<b>PICCS</b>	No
<b>EINECS/ELINCS</b>	No
<b>ENCS</b>	No
<b>IECSC</b>	No
<b>KECL</b>	No
<b>AIICS</b>	No

**\*Yes - All component(s) of this product are included or are exempt from listing on the inventory.**

**\*No - Indicates the component(s) of this product are either not listed or have not been determined to be listed on the inventory.**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIICS** - Australian Inventory of Industrial Chemicals

**U.S. Federal Regulations****TSCA Sections 4, 5 and 12(b)**

This product does not contain any chemicals regulated by TSCA Sections 4, 5 or 12(b).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Classification is shown in section 2 of this SDS.

**Clean Water Act.**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
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Dimethyl Sulfoxide		X			
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### International Regulations

#### Canada - NDSL

Chemical name	NDSL
Putrescine dihydrochloride	X

#### Mexico - Grade

No information available

#### Mexico - Carcinogen Status and Exposure Limits

No information available

#### Other Regulations

No information available.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health hazards</b> 1	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 1	<b>Flammability</b> 1	<b>Physical hazards</b> 0	<b>Personal protection</b> B

**Prepared By** FUJIFILM Environment, Health and Safety, phone: 800-473-3854

**Revision Date** 10-Apr-2023

**Revision Note** No information available

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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