SAFETY DATA SHEET

Version 1
Issuing Date: 25-Feb-2020

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product code NRMS180803
Product Code(s) M1032, NRM-100-031-001
Product Name iCell® Neural Supplement A, iCell® Neurons Medium Supplement

Recommended use of the chemical and restrictions on use

Recommended use For research use only
Uses advised against No information available

Supplier
FUJIFILM Wako Pure Chemical Corporation
1-2 Doshomachi 3-Chome
Chuo-ku Osaka 540-8605, Japan

Manufactured by
FUJIFILM Cellular Dynamics, Inc.
525 Science Drive
Madison, WI 53711

Company Phone Number
U.S.A: 877-320-6688
U.S.A: 608-310-5100
Japan: +81-6-6203-3741

Emergency Telephone
CHEMTREC Japan: +(81)-345209637
CHEMTREC China: 4001-204937
CHEMTREC Singapore: 800-101-2201
Transport-CHEMTREC Inside North America: 800-424-9300

E-mail Address
fcdi-support@fujifilm.com

Section 2: HAZARDS IDENTIFICATION

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

GHS Label elements, including precautionary statements
None

Hazard Statements
None

Precautionary Statements

Prevention
Not applicable

Response
Not applicable

Storage
Not applicable

Disposal
Not applicable

Other hazards
None known

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight-%</th>
<th>ENCS</th>
<th>ISHL No</th>
<th>CAS No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium selenite</td>
<td>0 - 10%</td>
<td>(1)-507</td>
<td>(1)-507</td>
<td>10102-18-8</td>
</tr>
</tbody>
</table>

### Section 4: FIRST AID MEASURES

General advice
If symptoms persist, call a physician.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Skin contact
Wash off immediately with plenty of water. If symptoms persist, call a physician.

Ingestion
If swallowed, call a poison control center or physician immediately.

Inhalation
Remove to fresh air. If symptoms persist, call a physician.

Self-Protection of the First Aider
Use personal protection equipment.

Signs and Symptoms of Exposure
No information available.

Notes to physician
Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media
Water spray, dry chemical, carbon dioxide (CO₂), or foam.

Unsuitable Extinguishing Media
None known.

Specific hazards arising from the chemical
None known.

Special protective equipment for fire-fighters
Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.
Section 6: ACCIDENTAL RELEASE MEASURES

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

Environmental precautions  Prevent product from entering drains.

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

Methods for cleaning up  Use personal protective equipment as required. 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.

Section 7: HANDLING AND STORAGE

Handling

Technical measures  Use personal protective equipment as required. No special handling advices are necessary.

General ventilation  Ensure adequate ventilation.

Precautions for safe handling  See section 8 for more information. See section 10 for more information.

Storage

Storage Conditions  Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Packaging materials  Keep only in original packaging.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Japan</th>
<th>ISHL Working Environmental Evaluation Standards - Administrative Control Levels</th>
<th>Korea</th>
<th>China</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium selenite 10102-18-8</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.2 mg/m³</td>
<td>TWA: 0.1 mg/m³</td>
<td>TWA: 0.2 mg/m³ Se</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Taiwan</th>
<th>Singapore</th>
<th>Indonesia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium selenite</td>
<td>TWA: 0.2 mg/m³</td>
<td>PEL: 0.2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Vietnam</th>
<th>Thailand</th>
<th>Malaysia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium selenite</td>
<td>TWA: 0.2 mg/m³</td>
<td>TWA: 0.2 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Measures  Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory protection  In case of inadequate ventilation wear respiratory protection.

Hand Protection  Wear suitable gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

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

Skin and body protection  Suitable protective clothing.
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.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point / melting range</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No information available</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC (lb/gal)</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC (g/l)</td>
<td>No information available</td>
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</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
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</thead>
<tbody>
<tr>
<td>Odor</td>
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<tr>
<td>Odor State @20°C</td>
<td>Liquid</td>
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<tr>
<td>Flash point</td>
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<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Freezing Point</td>
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<tr>
<td>Explosive Properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Density</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Section 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

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

Section 11: TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Inhalation  
No known effects under normal use conditions.

Eyes  
No known effects under normal use conditions.

Skin  
No known effects under normal use conditions.

Ingestion  
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Numerical measures of toxicity - Product Information

- ATEmix (oral) >5000 mg/kg
- Oral LD50

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>LC50 (lethal concentration)</th>
</tr>
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<tbody>
<tr>
<td>Sodium selenite</td>
<td>= 7 mg/kg (Rat)</td>
<td></td>
<td></td>
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</table>

Carcinogenicity

None known.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>GHS-Carcinogenicity</th>
<th>IARC</th>
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</thead>
<tbody>
<tr>
<td>Sodium selenite</td>
<td>10102-18-8</td>
<td>Group 3</td>
</tr>
</tbody>
</table>

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

- Irritation: No information available.
- Corrosivity: None known.
- Sensitization: None known.
- Mutagenic Effects: None known.
- Reproductive Toxicity: None known.
- Aspiration hazard: No information available.

STOT - single exposure: None known.

STOT - repeated exposure: None known.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

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

Persistence and degradability

Readily biodegradable.

Bioaccumulation

Not likely to bioaccumulate.

Mobility in soil

No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: TRANSPORT INFORMATION

IMDG

Not regulated
Icao
Not regulated

Adr/rid
Not regulated

Iata
Not regulated

Section 15: REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>ENCS</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IECSC</td>
<td>Yes</td>
</tr>
<tr>
<td>KECL</td>
<td>Yes</td>
</tr>
<tr>
<td>PICCS</td>
<td>Yes</td>
</tr>
<tr>
<td>TCSI</td>
<td>Yes</td>
</tr>
<tr>
<td>TECI</td>
<td>Yes</td>
</tr>
<tr>
<td>NCI</td>
<td>Yes</td>
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Legend:
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
TCSI - Taiwan Chemical Substance Inventory
TECI - Thailand Existing Chemical Inventory
NCI - Vietnam National Chemicals Inventory

Industrial Safety and Health Law

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Dangerous Substances</th>
<th>organic solvents</th>
<th>Harmful Substances Whose Names Are to be Indicated on the Label</th>
<th>ISHL - Prevention of Hazards Due to Specified Chemical Substances (Class 2)</th>
<th>Prevention of Lead Poisoning</th>
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</thead>
<tbody>
<tr>
<td>Sodium selenite 10102-18-8</td>
<td>&gt;=0.1%</td>
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<td>X</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Chemical Name
Sodium selenite 10102-18-8

Pollution Release and Transfer Registry (Class II):
Not applicable

Pollution Release and Transfer Registry (Class I):
242

Poisonous and Deleterious Substances Control Law
Poisonous

Fire Service Law:
Not regulated

China

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>List of Dangerous Goods</th>
<th>China Inventory of Hazardous Chemicals</th>
<th>Law of the People's Republic of China on Prevention and Control of Occupational Diseases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium selenite 10102-18-8</td>
<td>X</td>
<td>X</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Korea
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxic Chemical Classification Listing (TCCL) - Toxic Chemicals</th>
<th>Korea. Harmful Substances Requiring Permission</th>
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</thead>
<tbody>
<tr>
<td>Sodium selenite 10102-18-8</td>
<td>97-1-134 *</td>
<td>Not applicable</td>
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</tbody>
</table>

**Taiwan**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>List of hazardous chemicals under priority management</th>
<th>Toxic and Concerned Chemical Substances Control Act</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium selenite 10102-18-8</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Singapore**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium selenite 10102-18-8</td>
<td>Not applicable</td>
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</tbody>
</table>

**Indonesia**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Indonesia - Hazardous and Poisonous Substances (B3)</th>
<th>Highly toxic chemical</th>
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</thead>
<tbody>
<tr>
<td>Sodium selenite 10102-18-8</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Thailand**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous chemical</th>
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</thead>
<tbody>
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<td>Sodium selenite 10102-18-8</td>
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**Vietnam**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Law on Chemicals (No. 06/2007/QH12)</th>
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</thead>
<tbody>
<tr>
<td>Sodium selenite 10102-18-8</td>
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</tr>
</tbody>
</table>

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**Section 16: OTHER INFORMATION**

**Revision Date** 25-Feb-2020

**Revision Note** No information available.
Disclaimer

This SDS complies with the requirements of JIS Z 7253:2019 and JIS Z 7252:2019 (Japan). The information provided in this Material 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.

end