

SAFETY DATA SHEET

Issuing Date: 26-Apr-2019

Version 2

Embryo Thaw Media, Embryo Thaw Media-T3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Embryo Thaw Media, Embryo Thaw Media-T3

Product code 90124, 90122

Product Use Laboratory chemicals.

Manufactured by
FUJIFILM Irvine Scientific, Inc.
2511 Daimler Street
Santa Ana, CA 92705
U.S.A.

SDSs are available at the following website(s): <http://www.irvinesci.com>

Company Phone Number Technical: 800-437-5706
Fax: 949-261-6522

Emergency Telephone 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

E-mail tmrequest@irvinesci.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

| Chemical Name | CAS No | Weight-% |
|---------------|-------------|----------|
| Disaccharide | Proprietary | 5-10% |

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES**First aid measures for different exposure routes**

| | |
|-----------------------|---|
| 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/effects, acute and delayed

None known.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**Dry chemical, CO₂, water spray or alcohol-resistant foam.**Unsuitable Extinguishing Media**

None known.

Specific hazards arising from the chemical

None known.

Hazardous Combustion Products

Carbon oxides. Sodium oxides. Hydrogen chloride.

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 the skin and the eyes.

Environmental precautions

Prevent product from entering drains.

Methods and materials 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. Avoid breathing vapors or mists. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures between 2 and 8 °C (35 and 46 °F).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH | AIHA - Workplace Environmental Exposure Levels (WEELs) - TWAs |
|---------------|---------------------------|--|--|---|
| Disaccharide | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust | TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust | |

| | | | | |
|--|--|---|--|--|
| | | (vacated) TWA: 5 mg/m ³ respirable fraction | | |
|--|--|---|--|--|

Exposure 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

| | | | |
|--------------------------------------|---------------|--------------------------------------|----------------|
| Appearance | Clear | Odor | Characteristic |
| Odor Threshold | Not available | Physical State @20°C | Liquid |
| pH | 7.3 - 7.5 | | |
| Specific Gravity | Not available | Molecular Weight | Not available |
| Flash point | Not available | Autoignition temperature | Not available |
| Decomposition temperature | Not available | Boiling point / boiling range | Not available |
| Melting point / melting range | Not available | Freezing Point | Not available |
| Flammability Limit in Air | Not available | | |
| Oxidizing Properties | Not available | Explosive Properties | Not available |
| Solubility | Not available | Partition coefficient | Not available |
| Evaporation rate | Not available | Vapor Pressure | Not available |
| Vapor density | Not available | Density | Not available |
| VOC (lb/gal) | Not available | VOC (g/l) | Not available |
| Dynamic viscosity | 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

Freezing. Protect from light.

Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products

None known.

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 | LC50 (lethal concentration) |
|---------------|-----------------------|-------------|-----------------------------|
| Disaccharide | = 29700 mg/kg (Rat) | | |

Information on toxicological effects

No information available.

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

| | |
|------------------------------|-----------------------------------|
| Irritation | Non-irritating during normal use. |
| Corrosivity | No information available. |
| Sensitization | No information available. |
| Mutagenic Effects | No information available. |
| Reproductive Toxicity | No information available. |
| Carcinogenicity | 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.

Persistence and degradability

No information available.

Bioaccumulation

No information available.

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 Not regulated

IATA Not regulated

IMDG Not regulated

ADR/RID Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|----|
| TSCA | No |
| DSL/NDSL | No |
| PICCS | No |
| EINECS/ELINCS | No |
| ENCS | No |
| IECSC | No |

KECL No
AICS 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/NDSL - 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

AICS - Australian Inventory of Chemical Substances

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 |
|---------------|---------------|------------|--------------|----------|--------------|
| Disaccharide | X | | X | | |

International Regulations

Canada - NDSL

| Chemical Name | NDSL |
|----------------------|------|
| Sodium salt compound | X |

Mexico - Grade

No information available

Mexico - Carcinogen Status and Exposure Limits

| Chemical Name | Carcinogen Status | Exposure Limits |
|---------------|-------------------|---|
| Disaccharide | | Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³ |

Other Regulations

No information available

16. OTHER INFORMATION

| | | | | |
|------|-----------------|----------------|-------------------|---------------------------------|
| NFPA | Health Hazard 1 | Flammability 1 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health Hazard 1 | Flammability 1 | Physical Hazard 0 | Personal protection B |

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

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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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