

Version : 1.1

Update : 2020-04-22

SAFETY DATA SHEET

Section 1-Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the substance or mixture

Product code : M00424

Product name : Human Recombinant Melatonin MT1 Receptor Stable Cell Line

1.2 Company/undertaking identification

GenScript Technologies

1.3 24 hour Emergency Response:

Emergency Phone #: 1-732-885-9188

Telephone : 1-877-436-7274

Fax : 1-732-210-0262

E-mail address : product@genscript.com

Web : <http://www.genscript.com>

1.4 For Research Use Only. Not for use in diagnostic procedures.

Section 2- Hazards identification

2.1 GHS - Classification

Signal Word

None.

Health hazards

Not classified

Physical hazards

Not classified

Hazard Statements

Not Applicable

Precautionary Statements

Not Applicable

2.2 Principle Routes of Exposure Potential Health Effects

Eyes

Mild eye irritation

Skin

Skin contact may cause skin irritation.

Skin absorption may be harmful if absorbed through the skin

Inhalation

Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion

May be harmful if swallowed.

2.3 Specific effects

Carcinogenic effects

None.

Mutagenic effects

None.

Reproductive toxicity

None.

Sensitization

None.

Target Organ Effects

No known effects under normal use conditions.

2.4 HMIS

| | |
|--------------|---|
| Health | 0 |
| Flammability | 0 |
| Reactivity | 0 |

Section 3- Composition/information on ingredients

| Chemical Name | CAS-No | EINECS-No | Weight % |
|-------------------|---------|-----------|----------|
| Dimethylsulfoxide | 67-68-5 | 3875 | 10% |

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

Section 4- First aid measures

4.1 Skin contact

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

4.2 Eye contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

4.3 Ingestion

Remove to fresh air. If breathing becomes difficult, call a physician.

4.4 Notes to Physician

Treat symptomatically.

Section 5- Firefighting measures

5.1 Suitable extinguishing media

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

5.2 Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.

Section 6- Accidental release measures

6.1 Personal precautions

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

6.2 Methods for cleaning up

So Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

6.3 Environmental precautions

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 7- Handling and storage

7.1 Handling

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

7.2 Storage

Liquid nitrogen.

Section 8- Exposure controls/personal protection

8.1 Exposure Limits

Not available

8.2 Engineering measures

Mechanical exhaust required.

8.3 Personal Protective Equipment

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.

Respiratory protection

Respiratory protection is not required.

Hand protection

Impervious gloves.

Eye protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Lightweight protective clothing.

Hygiene measures

Wash thoroughly after handling.

8.4 Environmental exposure controls

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 9- Physical and chemical properties

9.1 General information

Appearance

| | |
|------------------|---------------|
| Physical State | Liquid |
| Property | |
| Molecular Weight | Not available |
| pH | Not available |
| BP/BP Range | Not available |
| MP/MP Range | Not available |
| Freezing Point | Not available |
| Vapor Pressure | Not available |

| | |
|-----------------------|---------------|
| Vapor Density | Not available |
| Saturated Vapor Conc. | Not available |
| SG/Density | Not available |
| Bulk Density | Not available |
| Odor Threshold | Not available |
| Volatile% | Not available |
| VOC Content | Not available |
| Water Content | Not available |
| Solvent Content | Not available |
| Evaporation Rate | Not available |
| Viscosity | Not available |
| Surface Tension | Not available |
| Partition Coefficient | Not available |
| Decomposition Temp. | Not available |
| Flash Point | Not available |
| Explosion Limits | Not available |
| Flammability | Not available |
| Autoignition Temp | Not available |
| Refractive Index | Not available |
| Optical Rotation | Not available |
| Miscellaneous Data | Not available |
| Solubility | Soluble |

Section 10- Stability and Reactivity

10.1 Stability

Stable under normal conditions.

10.2 Materials to avoid

No dangerous reaction known under conditions of normal use.

10.3 Hazardous decomposition

Nature of decomposition products not known.

10.4 Products polymerization

Polymerization of products not known.

Section 11-Toxicological information

11.1 Acute Toxicity

| Chemical Name | LD50 (oral,rat/mouse) | LD50 (dermal,rat/rabbit) | LC50 (inhalation,rat/mouse) |
|-------------------|-----------------------|-----------------------------|--------------------------------|
| Dimethylsulfoxide | 14500 mg/kg (Rat) | Not available | Not available |

No toxicology information is available.

11.2 Principle Routes of Exposure Potential Health Effects

| | |
|--------------|---------------------------|
| Eye | Mild eye irritation |
| Skin Contact | May cause skin irritation |

| | |
|-----------------------------------|--|
| Skin Absorption | May be harmful if absorbed through the skin |
| Inhalation | Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. |
| Ingestion | May be harmful if swallowed |
| Conditions Aggravated by Exposure | The toxicological properties have not been thoroughly investigated. |

Section 12- Ecological information

| | |
|---|---|
| Eco-toxicity Toxicity of The Products of Biodegradation | The product itself and its products of degradation are not toxic. |
|---|---|

Section 13- Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14- Transport information

14.1 IATA

| | |
|-----------------------------|------------------------------|
| Proper Shipping Name | Non-hazardous for transport. |
| Hazard Class | None |
| Subsidiary class | None |
| Packing group | None |
| UN-No | None |

Section 15- Regulatory information

15.1 US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs

15.2 US State Regulations

| Chemical Name | Massachusetts - RTK | New Jersey - RTK | Pennsylvania - RTK | Illinois - RTK | Rhode Island - RTK |
|-------------------|---------------------|------------------|--------------------|----------------|--------------------|
| Dimethylsulfoxide | No | No | No | No | No |

California Proposition 65

This product does not contain any Proposition 65 chemicals.

15.3 WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Section 16- Other information

16.1 Reason for revision

SDS sections updated.

For in vitro research use only. Not for use in diagnostic procedures.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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