

**Product name** MitoTracker® Green FM  
**(M)SDS Number** 9074  
**Version** 1

**Issuing Date:** 2022-12-01

## 1. Identification

### Product identifier

**Product name** MitoTracker® Green FM

### Other means of identification

**(M)SDS Number** 9074

### Details of the supplier of the safety data sheet

#### Manufacturer

Cell Signaling Technology, Inc.  
3 Trask Lane  
Danvers, MA 01923  
United States  
TEL: +1 978 867 2300  
FAX: +1 978 867 2400

#### Importer

Cell Signaling Technology, Inc.  
Building 7  
A-SUN Science & Technology Park  
399 Shengxia Road  
Pudong Shanghai 201210  
China  
TEL: 4006-473287  
FAX: (86) 21-5835-6116

#### Supplier

No information available

**E-mail address** support@cellsignal.com

### Emergency telephone number

**Emergency telephone** 400 120 4937

### Recommended use of the chemical and restrictions on use

**Identified uses** For research use only

**Restrictions on use** No information available

## 2. Hazard(s) identification

### **Emergency Overview**

No significant adverse health effects

**Appearance** No information available

**Physical state** Solid

**Odor** no data available

### Classification of the substance or mixture

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

### Label elements

#### **Signal Word**

None.

## Hazard Statements

None.

## Physical and chemical hazards

Not applicable.

## Health hazards

Immediate Health Effects: Not applicable.

Chronic effects: Not applicable.

## Environmental hazards

Not applicable.

## Other hazards which do not result in classification

Not applicable.

## 3. Composition/information on ingredients

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

Chemical name	Weight-%	CAS No
MitoTracker® Green FM	60-100	201860-17-5

## 4. First-aid measures

### Description of necessary first aid measures

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms/effects, acute and delayed** No information available.

**For emergency responders** No information available.

**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

### Extinguishing media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical** No information available.

**Special protective actions for** Firefighters should wear self-contained breathing apparatus and full firefighting turnout

fire-fighters gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up** Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

**Precautions to prevent secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

**Precautions for safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. See Section 8 for information on appropriate personal protective equipment.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

## 8. Exposure controls/personal protection

### Occupational exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Note** See section 16 for terms and abbreviations

### Biological occupational exposure limits

No data available

### Monitoring and observation processes

No applicable information was found.

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

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

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Impervious gloves.

**Respiratory protection** Use appropriate respiratory protection.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

Color	Red / Orange
Physical state	Solid
Odor	No information available
Odor Threshold	No information available

#### Property

#### Values

#### Remarks • Method

pH	no data available	None known
Melting point/freezing point	no data available	None known
Boiling point or initial boiling point and boiling range	no data available	None known
Flash point	no data available	None known
Evaporation rate	no data available	None known
Flammability	no data available	None known
Flammability Limits in Air		
Upper flammability limit	no data available	None known
Lower flammability limit	no data available	None known
Vapor pressure	no data available	None known
Relative vapor density	No data available	None known
Relative density	no data available	None known
Solubility	Low	None known
Solubility in other solvents	no data available	None known
Partition coefficient: n-octanol/water	no data available	None known
Autoignition temperature	no data available	None known
Decomposition temperature	no data available	None known
Viscosity	no data available	None known
Viscosity, dynamic	no data available	None known

### Additional information

Explosive properties	No information available
Oxidizing properties	No information available

## 10. Stability and reactivity

**Stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Conditions to avoid** None known based on information supplied.

**Incompatible materials** None known based on information supplied.

**Hazardous Decomposition Products** None known based on information supplied.

## 11. Toxicological information

### Acute Toxicity

#### Numerical measures of toxicity

No information available

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**Specific target organ toxicity (single exposure)** No information available.

**Specific target organ toxicity (repeated exposure)** No information available.

**Aspiration hazard** No information available.

## **12. Ecological information**

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

**Persistence and degradability** Product is biodegradable.

**Bioaccumulative potential** Does not bioaccumulate.

**Mobility in soil** No information available.

## **13. Disposal considerations**

**Waste chemicals** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## **14. Transport information**

**IMDG/IMO** Not regulated

**IATA** Not regulated

**China** Not regulated

#### **Special precautions for user**

Please refer to the applicable dangerous goods regulations for additional information

## 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

##### **Law of the People's Republic of China on Prevention and Control of Occupational Diseases**

Catalog of occupational hazard factors: Not applicable.  
Catalog of occupational diseases: Not applicable.

##### **Regulations on the Control over Safety of Hazardous Chemicals**

Inventory of hazardous chemicals Not applicable.

GB 18218-2009 Identification of major hazard installations for dangerous chemicals Not applicable

**List of hazardous chemicals under priority management** Not applicable

##### **Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used**

Inventory of highly toxic goods Not applicable

##### **Regulations for Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals**

List of toxic chemicals severely restricted for import and export in China Not applicable

##### **Measures for the Environmental Management of New Chemical Substances**

IECSC - China Inventory of Existing Chemical Substances Contact supplier for inventory compliance status.

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## 16. Other information

**Issuing Date:** 2022-12-01

**Revision Note** The symbol (\*) in the margin of this SDS indicates that this line has been revised.

#### **Abbreviations and acronyms**

##### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA:	Time weighted average	STEL:	Short term exposure limit
Ceiling:	Maximum limit value:	*	Skin designation
C	Carcinogen		

#### **Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

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Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

**Disclaimer**

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**End of Safety Data Sheet**