

Safety Data Sheet (SDS)

This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill, at their own discretion and risk.

Revision Date: May 26, 2019

Section 1. **PRODUCT AND COMPANY IDENTIFICATION**

1.1 **Product identifier**

Product Name: MitoBright LT Green
Product Code: MT10
CAS Number: -
EC Number: -

1.2 **Details of the supplier of the safety data sheet**

Company: Dojindo Laboratories
Address: Tabaru 2025-5 Mashiki-machi, Kamimashiki-gun, Kumamoto 861-2202, Japan
Telephone: +81-96-286-1515
Fax: +81-96-286-1525
Emergency phone number : +81-96-286-1515

1.3 **Product use**

For research use only.

Section 2. **HAZARDS IDENTIFICATION**

2.1 **Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008.[EU-GHS/CLP]
Skin corrosion/irritation, Category 2
Serious eye damage/eye irritation, Category 2
Specific target organ toxicity – single exposure, Category 3
Chronic aquatic toxicity, Category 4

2.2 **Label elements**

Labeling according Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Pictogram:



Signal word: Warning

Hazard statement(s):

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statement(s):

P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.
P264 Wash /hands/face/forearms/clothing thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.

| | |
|--------------------|--|
| P280 | Wear protective gloves/protective clothing/eye protection/ face protection. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/ international regulations. |

2.3 Other hazards

None known.

Section3. **COMPOSITION/INFORMATION ON INGREDIENTS**

| | | |
|------------|-------------------|---------------------|
| 3.1 | Product Name: | MitoBright LT Green |
| | Synonyms: | - |
| | Concentration: | ≤ 100 % |
| | Formula: | - |
| | Molecular Weight: | - |

Section4. **FIRST AID MEASURES**

4.1 Description of first aid measures

| | |
|--------------------------|---|
| If inhaled: | If breathed in, move into fresh air. Seek medical advice if discomfort occurs. If not breathing, give artificial respiration. Call a physician. |
| If swallowed: | Do not induce vomiting. Wash out mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention. |
| In case of skin contact: | Wash off with plenty of water. Remove contaminated clothing and laundry before reuse. |
| In case of eye contact: | Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs. |

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

Section5. **FIRE-FIGHTING MEASURES**

5.1 Extinguishing media

Use extinguishing media appropriate for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

May emit toxic fumes under fire conditions.

5.3 Special protective equipment for firefighters

Wear self-contained breathing apparatus and full protective clothing if necessary.

Section6. **ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Avoid contact with skin and clothing.

6.2 Environmental precautions

Prevent further leakage. Prevent contamination of drains with product.

6.3 Methods and materials for containment and cleaning up

Pick up and collect product in suitable container for disposal.

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust. Avoid breathing dust, vapors, mist or gas. Wear appropriate protective personal equipment. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store in a deep freeze at -20°C, dark and dry place.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handling.

Personal protective equipment

Eye/face protection:

Wear safety glasses with side-shields conforming to European Standard EN166.

Hand protection:

Wear protective gloves conforming to EU Directive 89/686/EEC and European Standard EN374. Gloves must be inspected prior to use. Avoid skin contact with product when remove gloves. Dispose of contaminated gloves safely after use.

Skin and body protection:

Wear laboratory coat or impervious clothing. Choose appropriate body protection according to the amount and concentration of the substance at the work place.

Respiratory protection:

Wear suitable respiratory equipment in case of inadequate ventilation.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--|-------------------|
| a) Appearance: | Yellow liquid |
| b) Odor: | Pungent |
| c) Odor Threshold: | No data available |
| d) pH: | No data available |
| e) Melting point/freezing point: | No data available |
| f) Initial boiling point and boiling range: | No data available |
| g) Flash point: | No data available |
| h) Evaporation rate: | No data available |
| i) Flammability (solid, gas): | No data available |
| j) Upper / lower flammability or explosive limits: | No data available |
| k) Vapor pressure: | No data available |
| l) Vapor density: | No data available |
| m) Relative density: | No data available |
| n) Solubility(ies): | No data available |
| o) Partition coefficient: <i>n</i> -octanol / water: | No data available |
| p) Auto-ignition temperature: | No data available |
| q) Decomposition temperature: | No data available |
| r) Viscosity: | No data available |
| s) Explosive properties: | No data available |
| t) Oxidizing properties: | No data available |

Section 10. STABILITY AND REACTIVITY

Stability and reactivity

Reactivity:

Stable

Chemical stability:

Stable at a deep freeze at -20°C, dark and dry place.

Section 15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 [REACH], as amended by Commission Regulation (EU) No 453/2010.

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

No information available

15.2 Chemical Safety Assessment

No information available

Section 16. OTHER INFORMATION

Key to abbreviations and acronyms

| | |
|----------|---|
| STOT-SE: | Specific Target Organ Toxicity - Single Exposure |
| STOT-RE: | Specific Target Organ Toxicity - Repeated Exposure |
| PBT: | Persistent Bioaccumulative and Toxic |
| vPvB: | very Persistent very Bioaccumulative and toxic |
| ADR: | European Agreement concerning the international carriage of Dangerous goods by Road |
| CAS: | Chemical Abstracts Service |
| IARC: | International Agency for Research on Cancer |
| IATA: | International Air Transport Association |
| IMDG: | International Maritime code for Dangerous Goods |
| REACH: | Registration, Evaluation, Authorization and restriction of Chemicals |
| RID: | Regulations concerning the International transport of Dangerous goods by rail |

This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill at their own discretion and risk. This SDS was prepared with our best knowledge based on the information obtained. However, it does not provide any warranty on the data and the assessment of hazards and toxicity information be covered. For use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, region and country where the product be used.

In case you use the information on SDS for important decision, we strongly recommend you to confirm the source of information and the data with your own investigation. Please be noted that the physicochemical data and contents indicated in this SDS are not guaranteed values, only a guide.

The cautions stated are for normal handling only. Additional care may be required for any special handling. The data and/or information used on this SDS may be updated by new knowledge and/or amendments of the conventional theory. Therefore, please check the most updated version of SDS which is available at www.dojindo.com.