SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance/preparation

<table>
<thead>
<tr>
<th>Product code</th>
<th>T34075COMPONENTA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>TubulinTracker™ Green reagent (Oregon Green® 488 Taxol, bis-acetate)</td>
</tr>
</tbody>
</table>

Company/Undertaking Identification

Life Technologies
5791 Van Allen Way
PO Box 6482
Carlsbad, CA 92008
+1 760 603 7200

Life Technologies
5250 Mainway Drive
Burlington, ONT
CANADA L7L 6A4
800/263-6236

24 hour Emergency Response:

866-536-0631
301-431-8585
Outside of the U.S. +1-301-431-8585

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards identification

GHS - Classification

Signal Word
not hazardous

Health Hazard
not hazardous

Physical Hazards
not hazardous

Principle Routes of Exposure/
Potential Health effects

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>May cause eye irritation with susceptible persons.</td>
</tr>
<tr>
<td>Skin</td>
<td>May cause skin irritation in susceptible persons.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May be harmful by inhalation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed.</td>
</tr>
</tbody>
</table>

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www.lifetechnologies.com
Suitable extinguishing media

Sensitization
none

Special protective equipment for firefighters
Wear self-contained breathing apparatus and protective suit.

Target Organ Effects
No known effects under normal use conditions.

HMIS

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>EINECS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon Green® 488 Taxol, bis-acetate</td>
<td>NOT FOUND</td>
<td>-</td>
<td>60-100</td>
</tr>
</tbody>
</table>

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. First aid measures

Skin contact
Rinse with plenty of water. If symptoms arise, 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.

Ingestion
Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Inhalation
Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Notes to physician
Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Special protective equipment for firefighters
Wear self-contained breathing apparatus and protective suit.

6. Accidental release measures

Personal precautions
Use personal protective equipment.

Methods for cleaning up
Take up mechanically and collect in suitable container for disposal.

Environmental precautions
Prevent further leakage or spillage if safe to do so.

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www.lifetechnologies.com
Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

8. Exposure controls/personal protection

Exposure limits

We are not aware of any national exposure limit.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>OSHA PEL (Ceiling)</th>
<th>ACGIH OEL (TWA)</th>
<th>ACGIH OEL (STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon Green® 488 Taxol, bis-acetate</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td>none</td>
</tr>
</tbody>
</table>

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution’s risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection

Impervious gloves.

Eye protection

Safety glasses with side-shields.

Skin and body protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains.

9. Physical and chemical properties

General Information

Form

solid

Appearance

No information available

Odor

No information available

Boiling Point/Range

°C no data available

°F no data available

Melting point/range

°C no data available

°F no data available

Flash point

°C no data available

°F no data available

Autoignition temperature

°C no data available

°F no data available

Oxidizing properties

No information available.

Water solubility

no data available

10. Stability and reactivity

Stability

Stable under normal conditions.

Materials to avoid

No dangerous reaction known under conditions of normal use.
Hazardous decomposition products polymerization
None under normal use
Hazardous polymerisation does not occur.

11. Toxicological information

Acute toxicity
Not hazardous

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 (oral, rat/mouse)</th>
<th>LD50 (dermal, rat/rabbit)</th>
<th>LC50 (inhalation, rat/mouse)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon Green® 488 Taxol, bis-acetate</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

Principle Routes of Exposure/
Potential Health effects

Eyes
May cause eye irritation with susceptible persons.
Skin
May cause skin irritation in susceptible persons.
Inhalation
May be harmful by inhalation.
Ingestion
May be harmful if swallowed.

Carcinogenic effects
None
Mutagenic effects
Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.

Reproductive toxicity
None
Sensitization
None

Target Organ Effects
No known effects under normal use conditions.

12. Ecological information

Ecotoxicity effects
No information available.
Mobility
No information available.
Biodegradation
Inherently biodegradable
Bioaccumulation
Does not bioaccumulate.

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

IATA
Not classified as dangerous in the meaning of transport regulations
Proper shipping name
Hazard class
none
Subsidiary Class
none
Packing group
none
UN-No
None

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www.lifetechnologies.com
15. Regulatory information

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon Green® 488 Taxol, bis-acetate</td>
<td>-</td>
</tr>
<tr>
<td>NOT FOUND (60-100)</td>
<td></td>
</tr>
</tbody>
</table>

U.S. 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 contain HAPs.

U.S. State Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts - RTK</th>
<th>New Jersey - RTK</th>
<th>Pennsylvania - RTK</th>
<th>Illinois - RTK</th>
<th>Rhode Island - RTK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon Green® 488 Taxol, bis-acetate</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

California Proposition 65
This product does not contain chemicals listed under Proposition 65

WHMIS Hazard Class
Non-controlled
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. Other information

Reason for Revision
(M)SDS sections updated.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet

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