# IncuCyte™ pHrodo® Green Zymosan Bioparticles® for Phagocytosis

## 1 IDENTIFICATION

<table>
<thead>
<tr>
<th>Product code:</th>
<th>Cat. No. 4618</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name:</td>
<td>IncuCyte™ pHrodo® Green Zymosan Bioparticles® for Phagocytosis</td>
</tr>
<tr>
<td>Unit size:</td>
<td>1 mg</td>
</tr>
<tr>
<td>Manufacturer/supplier:</td>
<td>Essen BioScience, Ltd. BioPark, Broadwater Road Welwyn Garden City, Hertfordshire AL7 3AX United Kingdom</td>
</tr>
</tbody>
</table>

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

## 2 HAZARD(S) IDENTIFICATION

**GHS - Classification**
- **Signal word:** Not hazardous.
- **Health hazard:** Not hazardous.
- **Physical hazards:** Not hazardous.

**European Union (EU) Specific Hazard Statements**
- **R-phrase(s):** None
- **S-phrase(s):** S22 - Do not breathe dust.

**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.

### Specific effects
- **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
- **Sensitisation:** None
- **Target organ effects:** No known effects under normal use conditions.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>EINECS-No</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>IncuCyte™ pHrodo® Green Zymosan Bioparticles® for Phagocytosis</td>
<td>None</td>
<td>-</td>
<td>60-100</td>
</tr>
</tbody>
</table>

The product contains no substance which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.
4 FIRST-AID MEASURES

Includes important symptoms/ effects, acute, delayed; required treatment.

- **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

Lists suitable extinguishing techniques, equipment; chemical hazards from fire.

- **Suitable extinguishing media:** Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.
- **Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

6 ACCIDENTAL RELEASE MEASURES

Lists emergency procedures; protective equipment; proper methods of containment and cleanup.

- **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. See section 12 for additional information.

7 HANDLING AND STORAGE

Lists precautions for safe handling and storage, including incompatibilities.

- **Handling:** Avoid contact with skin, eyes and clothing. Always wear recommended personal protective equipment.
- **Storage:** Keep in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

We are not aware of any national exposure limit.

<table>
<thead>
<tr>
<th>Chemical name</th>
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<tbody>
<tr>
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<tr>
<td>European Union: None</td>
<td>Denmark (TWA): None</td>
<td>Netherlands OEL (MAC): None</td>
</tr>
<tr>
<td>EU OEL (STEL): None</td>
<td>Finland OEL (TWA): None</td>
<td>Norway: None</td>
</tr>
<tr>
<td>EU OEL (TWA): None</td>
<td>France OEL (VME): None</td>
<td>Poland: None</td>
</tr>
<tr>
<td>EU Skin Notation: None</td>
<td>Germany OEL (TWA): None</td>
<td>Portugal: None</td>
</tr>
<tr>
<td>Austria: None</td>
<td>Ireland: None</td>
<td>Spain OEL (TWA): None</td>
</tr>
<tr>
<td>Belgium (TWA): None</td>
<td>Ireland (TWA): None</td>
<td>Switzerland: None</td>
</tr>
<tr>
<td>Denmark: None</td>
<td>Italy OEL (TWA): None</td>
<td>United Kingdom: None</td>
</tr>
<tr>
<td>Engineering measures: Ensure adequate ventilation, especially in confined areas.</td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>
9 PHYSICAL AND CHEMICAL PROPERTIES

Lists the chemical’s characteristics.

**General information**

- **Form:** Solid.
- **Appearance:** No information available.
- **Odour:** 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
- **Oxidising properties:** No information available.
- **Water solubility:** No data available.

10 STABILITY AND REACTIVITY

Lists chemical stability and possibility of hazardous reactions.

- **Stability:** Stable under normal conditions.
- **Materials to avoid:** No dangerous reaction known under conditions of normal use.
- **Hazardous decomposition products:** None under normal use.
- **Polymerisation:** Hazardous polymerisation does not occur.

11 TOXICOLOGICAL INFORMATION

Includes routes of exposure; related symptoms, acute and chronic effects; numerical measures of toxicity.

**Acute toxicity:** Not hazardous.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LD50 (oral, rat/mouse)</th>
<th>LD50 (dermal, rat/rabbit)</th>
<th>LD50 (inhalation, rat, mouse)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IncuCyte™ pHrodo® Green Zymosan Bioparticles® for Phagocytosis</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
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**Principle routes of exposure/potential health effects**

- **Eyes:** May cause eye irritation with susceptible persons.
- **Skin:** May cause eye irritation with susceptible persons.
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- **Reproductive toxicity:** None.
- **Sensitisation:** None.
- **Target organ effects:** No known effects under normal use conditions.
ECOLOGICAL INFORMATION

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

DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

TRANSPORT INFORMATION

IATA

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

REGULATORY INFORMATION

International Inventories

<table>
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<tr>
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<tr>
<td>IncuCyte™ pHrodo® Green Zymosan Bioparticles® for Phagocytosis</td>
<td>EINECS</td>
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OTHER INFORMATION

- Date of preparation: October 23, 2015
- Revision date:
- Reason for revision:

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END OF SAFETY DATA SHEET