## 1 IDENTIFICATION

<table>
<thead>
<tr>
<th>Product code:</th>
<th>Cat. No. 4620</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name:</td>
<td>IncuCyte™ pHrodo® Green S. aureus Bioparticles® for Phagocytosis</td>
</tr>
<tr>
<td>Unit size:</td>
<td>2 mg</td>
</tr>
</tbody>
</table>
| Manufacturer/supplier: | Essen BioScience, Ltd.  
BiPark, Broadwater Road  
Welwyn Garden City,  
Hertfordshire  
AL7 3AX United Kingdom |

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

## 2 HAZARD(S) IDENTIFICATION

In accordance with local and national regulations, the product is classified and labelled in accordance with Directive 1999/45/EC. REGULATION (EC) No 1272/2008 Classification according to EU Directives 67/548/EEC or 1999/45/EC.

### 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 S. aureus 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.

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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</tr>
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<tbody>
<tr>
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</tr>
<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>
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<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>
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<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>
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</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.

Revision date: October 23, 2015
Product code: 4620
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.

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.

TOXICOLOGICAL INFORMATION

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

- **Chemical name:** IncuCyte™ pHrodo® Green S. aureus Bioparticles® for Phagocytosis

  - **Acute toxicity:** Not hazardous.

    | Chemical name | LD50 (oral, rat/mouse) | LD50 (dermal, rat/rabbit) | LD50 (inhalation, rat, mouse) |
    |---------------|------------------------|---------------------------|-----------------------------|
    | IncuCyte™ pHrodo® Green S. aureus Bioparticles® for Phagocytosis | No data available | No data available | No data available |

  **Principle routes of exposure/potential health effects**

  - **Eyes:** May cause eye irritation with susceptible persons.
  - **Skin:** May cause eye irritation with susceptible persons.
  - **Inhalation:** May be harmful by inhalation.
  - **Ingestion:** May be harmful by ingestion.
  - **Carcinogenic effects:** None.
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  - **Reproductive toxicity:** None.
  - **Sensitisation:** None.
  - **Target organ effects:** No known effects under normal use conditions.
**12 ECOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Ecotoxicity effects:</th>
<th>No information available.</th>
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<tbody>
<tr>
<td>Mobility:</td>
<td>No information available.</td>
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<tr>
<td>Biodegradation:</td>
<td>Inherently biodegradable.</td>
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<tr>
<td>Bioaccumulation:</td>
<td>Does not bioaccumulate.</td>
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</table>

**13 DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.

**14 TRANSPORT INFORMATION**

<table>
<thead>
<tr>
<th>Proper shipping name:</th>
<th>Not classified as dangerous in the meaning of transport regulations.</th>
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</thead>
<tbody>
<tr>
<td>Hazard class:</td>
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<tr>
<td>Subsidiary class:</td>
<td>None.</td>
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<tr>
<td>Packing group:</td>
<td>None.</td>
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<td>UN-No:</td>
<td>None.</td>
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**15 REGULATORY INFORMATION**

<table>
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<tr>
<th>Chemical name</th>
<th>Complies</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>PICCS</th>
<th>AICS</th>
<th>KECL</th>
<th>DSL</th>
<th>NDSL</th>
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<td>IncuCyte™ pHrodo® Green S. aureus Bioparticles® for Phagocytosis</td>
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**16 OTHER INFORMATION**

<table>
<thead>
<tr>
<th>Date of preparation:</th>
<th>October 23, 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date:</td>
<td></td>
</tr>
<tr>
<td>Reason for revision:</td>
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