IncuCyte™ pHrodo® Red S. aureus Bioparticles® for Phagocytosis

1 IDENTIFICATION

Includes product identifier; manufacturer or distributor name, address, phone number; emergency phone number; recommended use; restrictions on use.

- Product code: Cat. No. 4619
- Product name: IncuCyte™ pHrodo® Red S. aureus Bioparticles® for Phagocytosis
- Unit size: 2 mg
- Manufacturer/supplier: Essen BioScience Inc.
  300 West Morgan Road
  Ann Arbor
  MI 48108
  USA
  Emergency contact: +1 (734) 769-1600
  Fax contact: +1 (734) 769-7295

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

2 HAZARD(S) IDENTIFICATION

Includes all hazards regarding the chemical; required label elements.

- Signal word: Not hazardous
- Health hazard: Not hazardous
- Hazard pictogram: None

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
- Sensitization: None
- Target organ effects: No known effects under normal use conditions.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Includes information on chemical ingredients; trade secret claims.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>EINECS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>IncuCyte™ pHrodo® Red S. aureus Bioparticles® for Phagocytosis</td>
<td>None</td>
<td>None</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.
## 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.

## 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.

## 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.

## HANDLING AND STORAGE

Lists precautions for safe handling and storage, including incompatibilities.

- **Handling:** Always wear recommended Personal Protective Equipment. No special handling advice required.
- **Storage:** Keep in a dry, cool and well-ventilated place.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

Lists OSHA's Permissible Exposure Limits (PELs); ACGIH Threshold Limit Values (TLVs); and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the SDS where available as well as appropriate engineering controls; personal protective equipment (PPE).

<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>IncuCyte™ pHrodo® Red S. aureus Bioparticles® for Phagocytosis</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.
9 PHYSICAL AND CHEMICAL PROPERTIES

Lists the chemical’s characteristics.

General information

Form: Solid.
Appearance: No information available.
Odor: No information available.
Boiling point: No information available.
Melting point/range: No information available.
Flash point: No information available.
Autoignition temperature: No information available.
Oxidizing 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.

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® Red S. aureus Bioparticles® for Phagocytosis</td>
<td>No data available</td>
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Principle routes of exposure/potential health effects

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- Ingestion: May be harmful by ingestion.
- 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.

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.

15 REGULATORY INFORMATION

Component

IncuCyte™ pHrodo® Red S. aureus Bioparticles® for Phagocytosis
NONE (60-100)

US 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.

US State Regulations

Chemical name

IncuCyte™ pHrodo® Red S. aureus Bioparticles® for Phagocytosis

Massachusetts RTK -
New Jersey RTK -
Pennsylvania RTK -
Illinois RTK -
Rhode Island RTK -

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

WHMIS Hazard Class: Non-controlled.

16 OTHER INFORMATION

Includes the date of preparation or last revision.

Date of preparation: October 23, 2015
Revision date: October 23, 2015

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

END OF SAFETY DATA SHEET