

IncuCyte™ pHrodo® Green *E. coli* 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. 4616
 Product name: IncuCyte™ pHrodo® Green *E. coli* Bioparticles® for Phagocytosis
 Unit size: 2 mg
 Manufacturer/supplier: Essen BioScience, Ltd.
 BioPark, Broadwater Road
 Welwyn Garden City,
 Hertfordshire
 AL7 3AX United Kingdom
 Emergency contact: +44 (0) 1707 358688
 Fax contact: +44 (0) 1707 358687

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 Includes information on chemical ingredients; trade secret claims.

Chemical name	CAS-No	EINECS-No	Weight percent
IncuCyte™ pHrodo® Green <i>E. coli</i> Bioparticles® for Phagocytosis	None	-	60-100
<i>The product contains no substance which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.</i>			

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.

Chemical name	Chemical name	Chemical name
IncuCyte™ pHrodo® Green <i>E. coli</i> Bioparticles® for Phagocytosis	IncuCyte™ pHrodo® Green <i>E. coli</i> Bioparticles® for Phagocytosis	IncuCyte™ pHrodo® Green <i>E. coli</i> Bioparticles® for Phagocytosis
European Union: None	Denmark (TWA): None	Netherlands OEL (MAC): None
EU OEL (STEL): None	Finland OEL (TWA): None	Norway: None
EU OEL (TWA): None	France OEL (VME): None	Poland: None
EU Skin Notation: None	Germany OEL (TWA): None	Portugal: None
Austria: None	Ireland: None	Spain OEL (TWA): None
Belgium (TWA): None	Ireland (TWA): None	Switzerland: None
Denmark: None	Italy OEL (TWA): None	United Kingdom: None

- 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.
 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

Chemical name	Acute toxicity: Not hazardous.		
	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LD50 (inhalation, rat, mouse)
IncuCyte™ pHrodo® Green <i>E. coli</i> 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.
 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.

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 **International Inventories**

Chemical name	Complies							
	EINECS	ELINCS	ENCS	PICCS	AICS	KECL	DSL	NDSL
IncuCyte™ pHrodo® Green E. coli Bioparticles® for Phagocytosis	-	-	-	-	-	-	-	-

16 OTHER INFORMATION **Includes the date of preparation or last revision.**

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

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

The information contained in this document 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 WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE.

END OF SAFETY DATA SHEET