

IncuCyte™ pHrodo® Red Zymosan 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. 4617
 Product name: IncuCyte™ pHrodo® Red Zymosan Bioparticles® for Phagocytosis
 Unit size: 1 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-phrases: None
 S-phrases: 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® Red Zymosan 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® Red Zymosan Bioparticles® for Phagocytosis	IncuCyte™ pHrodo® Red Zymosan Bioparticles® for Phagocytosis	IncuCyte™ pHrodo® Red Zymosan 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® Red Zymosan 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® Red Zymosan 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.

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END OF SAFETY DATA SHEET