

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 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.

Chemical name	CAS-No	EINECS-No	Weight %
IncuCyte™ pHrodo® Red Zymosan Bioparticles® for Phagocytosis	None	None	60-100

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

**8 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).

Chemical name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
IncuCyte™ pHrodo® Red Zymosan Bioparticles® for Phagocytosis	None	None	None	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.
 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.

Chemical name	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.
 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	TSCA
IncuCyte™ pHrodo® Red Zymosan 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	Massachusetts RTK	New Jersey RTK	Pennsylvania RTK	Illinois RTK	Rhode Island RTK
IncuCyte™ pHrodo® Red Zymosan Bioparticles® for Phagocytosis	-	-	-	-	-

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:

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

END OF SAFETY DATA SHEET