

IncuCyte® pHrodo® Red Cell Labelling Dye

1. IDENTIFICATION	
Product code:	Catalog Number 4649 (Component A)
Product name:	IncuCyte® pHrodo® Red Cell Labelling Dye
Unit size:	1 vial
Manufacturer/supplier:	Essen BioScience, Ltd. BioPark, Broadwater Road Welwyn Garden City, Hertfordshire AL7 3AX United Kingdom
Emergency contact:	+44 (0) 1707 358688
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For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. HAZARD IDENTIFICATION	
GHS - Classification	
Signal word:	Not hazardous.
Health Hazard:	Not hazardous.
Physical Hazards:	Not hazardous.
European Union:	Not hazardous.
European Union (EU) Specific Hazard Statements	
R-phrases(s):	None
S-phrases(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			
Chemical name	CAS-No	EINECS-No	Weight %
IncuCyte® pHrodo®, succinimidyl ester	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	
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	
Suitable extinguishing media:	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Special protective equipment for firefighters:	Wear self-contained breathing apparatus and protective suit.
6. ACCIDENTAL RELEASE MEASURES	
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	
Handling:	Avoid contact with skin, eyes and clothing. Always wear recommended personal protective equipment.
Storage:	Keep in dry, cool and well-ventilated place.
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION	
Engineering measures:	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment:	
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.
Environmental exposure controls:	Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES		
Form:	Solid.	
Appearance:	Red	
Odour:	No information available	
Boiling point/range:	°C Mixture has not been tested.	°F Mixture has not been tested.
Melting point/range:	°C Mixture has not been tested.	°F Mixture has not been tested.
Flash point:	°C Mixture has not been tested.	°F Mixture has not been tested.
Autoignition temperature:	°C Mixture has not been tested.	°F Mixture has not been tested.
Decomposition temperature:	°C Mixture has not been tested.	°F Mixture has not been tested.
Oxidizing properties:	No information available.	
Water solubility:	No data available.	

10. STABILITY AND REACTIVITY	
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	
Acute toxicity:	Not hazardous.
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 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	
14. TRANSPORT INFORMATION	
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:	Complies.
16. OTHER INFORMATION	
Date of preparation:	May 23, 2016
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