

IncuCyte® pHrodo® Red Cell Labeling Dye

1. IDENTIFICATION	
Product code:	Catalog Number 4649, Component A
Product name:	IncuCyte® pHrodo® Red Cell Labeling Dye
Unit size:	1 vial
Manufacturer/supplier:	Essen BioScience Inc. (a Sartorius company) 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 IDENTIFICATION	
GHS - Classification	
Signal word:	Not hazardous.
Health Hazard:	Not hazardous.
Physical Hazards:	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 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 sensitization:	None.
Aggravated Medical Conditions:	No known effects under normal use conditions.
HMIS:	
Sensitization:	0
Health:	0
Flammability:	0

3. COMPOSITION / INFORMATION ON INGREDIENTS		Includes information on chemical ingredients; trade secret claims.	
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 cautiously with water for several minutes. If symptoms occur, obtain medical advice.
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 fire fighters:	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:	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				
Chemical name	OSHA PEL	OSHA PEL(Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
IncuCyte® pHrodo® succinimidyl ester	None	None	None	None
Exposure limits:	We are not aware of any national exposure limit.			
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			
General information:			
Form:	Solid.		
Appearance:	Red.		
Odor:	No information available		
Important health and safety environmental information:			
Boiling point:	°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		
Oxidizing properties:	No information available.		
Water solubility:	Moderate.		
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.		
Polymerization:	Hazardous polymerization does not occur.		
11. TOXICOLOGICAL INFORMATION			
Chemical name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LD50 (inhalation, rat, mouse)
IncuCyte® pHrodo®, succinimidyl ester	No data available	No data available	No data available
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 if swallowed.		
Specific effects (Long Term 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.		
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						
Chemical name	TSCA	PICCS	ENCS	DSL	NDSL	AICS
pHrodo® succinimidyl ester	Listed	Listed	Listed	Listed	-	Listed

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
pHrodo® succinimidyl ester	-	-	-	-	-

California Proposition 65:	This product does not contain chemicals listed under Proposition 65.
WHMIS Hazard Class:	Non-controlled This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION	
Date of preparation:	May 20, 2016
Revision date:	November 26, 2018

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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

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