

Safety Data Sheet

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Catalog Number: STA-804
 Product Name: OxiSelect™ Myeloperoxidase Chlorination Activity Assay Kit (Fluorometric)
 Recommended Use: Laboratory Research Reagents

MANUFACTURER:

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EMERGENCY CONTACT:

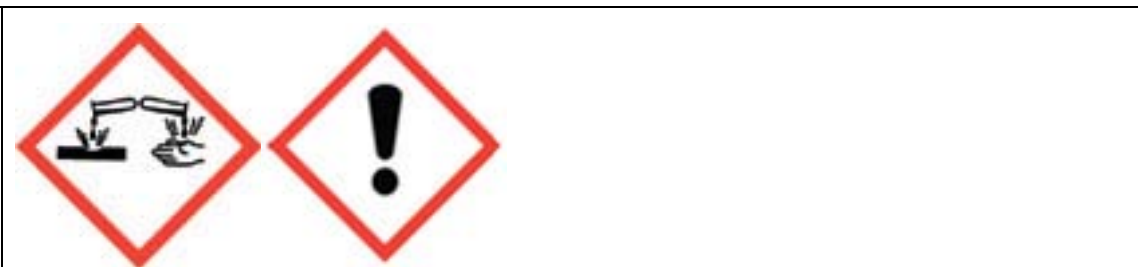
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SECTION 2. HAZARDS IDENTIFICATION

Hydrogen Peroxide (Part No. 234102): One 100 µL amber tube of an 8.82 M solution.

Classification:

Acute toxicity, Oral, Category 4 (H302)
 Skin corrosion, Category 1B (H314)
 Serious eye damage, Category 1 (H318)
 Acute aquatic toxicity, Category 3, H402


Pictogram	
Signal Word	Danger
<p>Hazard Statements: Harmful if swallowed (H302), Causes severe skin burns and eye damage (H314), Harmful to aquatic life (H402).</p>	
<p>Precautionary Statements: Wash skin thoroughly after handling (P264), Do not eat, drink, or smoke when using this product (P270), Avoid release to the environment (P273), Wear protective gloves/protective clothing/eye protection/face protection (P280), IF SWALLOWED: call a POISON CENTER if you feel unwell. Rinse mouth (P301 + P312 + P330), IF SWALLOWED: rinse mouth. Do NOT induce vomiting (P301 + P330 + P331), IF ON SKIN (or hair): take off immediately all</p>	

contaminated clothing Rinse skin with water/shower (P303 + P361 + P353), IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. (P304 + P340 + P310), IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER / doctor (P305 + P351 + P338 + P310), Wash contaminated clothing before reuse (P363), Store locked up (P405), Dispose of contents/container to an approved waste disposal plant (P501).

Fluorescence Probe (500X) (Part No. 280401): One 20 μ L amber tube of a 5 mM solution in DMF

Classification:

Flammable Liquids, Category 3 (H226)
Acute toxicity, Inhalation, Category 4 (H332)
Acute toxicity, Dermal, Category 4 (H312)
Eye irritation, Category 2A (H319)
Reproductive toxicity, Category 1B (H360)

Pictogram	
Signal Word	Danger
Hazard Statements: Flammable liquid and vapor (H226), Harmful in contact with skin or if inhaled (H312 + H332), Causes serious eye irritation (H319), May damage fertility or the unborn child (H360).	
Precautionary Statements: Obtain special instructions before use (P201), Do not handle until all safety precautions have been read and understood (P202), Keep away from heat/sparks/open flames/hot surfaces. No smoking (P210).	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hydrogen Peroxide (Part No. 234102): One 100 μ L amber tube of an 8.82 M solution.

CHEMICAL NAME	CONCENTRATION	CAS #
Hydrogen Peroxide	8.8 M	7722-84-1

Fluorescence Probe (500X) (Part No. 280401): One 20 μ L amber tube of a 5 mM solution in DMF

CHEMICAL NAME	CONCENTRATION	CAS #
N,N-Dimethylformamide (DMF)	60-100%	68-12-2

SECTION 4. FIRST-AID MEASURES

- IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
- IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN.
- IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical or CO₂
- Special protective equipment: Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Evacuate area
- Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
- Absorb with sand or vermiculite, sweep up, place in a bag and hold for waste disposal.
- Avoid raising dust.
- Ventilate area and wash spill site after material pickup is complete.

SECTION 7. SAFETY HANDLING AND STORAGE

- Should be handled by trained personnel observing good laboratory practices.
- Avoid breathing vapor.
- Avoid skin contact or swallowing.
- May cause allergic reaction in sensitized individuals.
- Store in properly labeled containers at temperature on label

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures: Handle in accordance with good industrial hygiene and safety practices. Wash hands immediately after handling the product.
- Personal protective equipment: Face shield or safety glasses, gloves, protective clothing, suitable respiratory equipment in cases of inadequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form: liquid
- Odor: no data available
- pH: no data available
- Boiling point / range: no data available
- Melting point / range: no data available
- Flash point: no data available
- Evaporation rate: no data available
- Vapor pressure: no data available
- Vapor density: no data available
- Relative density: no data available
- Water solubility: no data available
- Autoignition temperature: no data available
- Decomposition temperature: no data available
- Viscosity: no data available
- Explosive properties: no data available
- Oxidizing properties: no data available

SECTION 10. STABILITY AND REACTIVITY

- Stability: no data available
- Reactivity: no data available
- Conditions to avoid: no data available
- Incompatible materials: no data available
- Decomposition products: no data available

SECTION 11. TOXICOLOGICAL INFORMATION

- Acute toxicity
 - Hydrogen peroxide: no data available
 - N,N-Dimethylformamide (DMF): LD50 oral 2.800 mg/kg (rat), LC50 inhalation 4h-9-15mg/l (rat), LD50 dermal 1.500 mg/kg (rabbit)
- Skin corrosion/irritation
 - Hydrogen peroxide: no data available
 - N,N-Dimethylformamide (DMF): mild skin irritation 24h (human)
- Serious eye damage/irritation
 - Hydrogen peroxide: no data available
 - N,N-Dimethylformamide (DMF): moderate eye irritation (rabbit)
- Respiratory or skin sensitization: no data available
- Germ cell mutagenicity: no data available
- Carcinogenicity: no data available
- Reproductive toxicity: no data available

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity
 - Hydrogen peroxide: no data available
 - N,N-Dimethylformamide (DMF): Toxicity to fish: LC50 9.000-13.000 mg/l 96h (Oncorhynchus mykiss), LC50 6.700-7.500 mg/l 96h (Lepomis macrochirus), LC50 10.400-10.800 mg/l 96h (Pimephales promelas), LC50 9.800 mg/l 96h (Oncorhynchus mykiss), LC50 6.300 mg/l 96h (Lepomis macrochirus), LC50 10.600 mg/l 96h (Pimephales promelas); Toxicity to Daphnia and other aquatic invertebrates: EC50 9.6-13.100 mg/l 48h (Daphnia magna), EC50 15.700 mg/l 48h (Daphnia magna); Toxicity to algae: LC50 >500mg/l 96h (Desmodesmus subspicatus)
- Mobility: no data available
- Biodegradation: no data available
- Bioaccumulation: no data available

SECTION 13. DISPOSAL CONSIDERATIONS

For small quantities: Cautiously add to a large stirred excess of water. Adjust the pH to neutral. Flush the aqueous solutions down the drain with plenty of water.

SECTION 14. TRANSPORT INFORMATION - IATA

- Hazard Class: Not Hazardous

SECTION 15. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available
- Chemical safety assessment: no data available

SECTION 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide for experienced personnel. Cell Biolabs, Inc. shall not be held liable for any damage resulting from the handling or from contact with the above product(s).

Revised 02/12/2018