



MATERIAL SAFETY DATA SHEET

Section 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier:
- Product name: **Hydrogen Peroxide Fluorescent Detection Kit**
- Product no./Catalog #(s): 9131
- Internal ID: N/A
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:
- Identified uses: For research use only. Not for use in diagnostic procedures.
- 1.3 Details of the supplier of the safety data sheet:
- Supplier: ImmunoChemistry Technologies, LLC
9401 James Avenue South, Suite #155
Bloomington, MN 55431-2500 USA
www.immunochemistry.com
1-800-829-3194 and 952-888-8788
Fax 952-888-8988
help@immunochemistry.com
- Contact person: Sally Hed
- 1.4 Emergency telephone number:
1-800-829-3194 / 952-888-8788 (Hours: 8 am-5 pm central standard time, Monday-Friday)

Section 2: Hazards identification

- 2.1 Classification of the substance or mixture:
- Classification (EC 1272/2008)
- Physical and chemical hazards: Not classified.
- Human health: Not classified.
- Environment: Not classified.
- Classification (1999/45/EEC): Not classified.
- 2.2 Label elements: Label in accordance with (EC) No. 1272/2008: Not classified.
- 2.3 Hazard description: It is recommended that personnel wear safety goggles, gloves, and protective clothing at all times. As part of good industrial, personal hygiene, and safety procedures, avoid all unnecessary exposure to the chemical components of this kit and ensure prompt removal from skin, eye, and clothing.
- 2.4 NFPA ratings (scale 0-4):
Fire = 0
Reactivity = 0
Health = 0
- 2.5 Other hazards: No information available.

Section 3: Composition/information on ingredients

- 3.1 Substances:
- Product name: Hydrogen Peroxide Standard
Assay Buffer Concentrate
Fluorescent H₂O₂ Detection Substrate
Horseradish Peroxidase Concentrate
- 3.2 Hazardous/Non-hazardous Components:
- | CAS # | Kit Component | Percent | SARA 313 |
|-----------|----------------------------|----------|----------|
| 7722-84-1 | Hydrogen Peroxide Standard | < 0.001% | No |
- Information on other specific chemicals of this kit is being withheld as a trade secret of the manufacturer.

Section 4: First aid measures

- 4.1 Description of first aid measures:
- Inhalation: If inhaled, remove to fresh air.
- Ingestion: If swallowed, wash out mouth with water if person is conscious.
- Skin contact: Wash thoroughly with soap and water.
- Eye contact: Rinse eyes with water as a precaution.
- 4.2 Indication of any immediate medical attention and special treatment needed: no specific first aid measures noted.

Section 5: Firefighting measures

- 5.1 Extinguishing media: Water spray, carbon dioxide, or dry chemical.

- 5.2 Special hazards arising from the substance or mixture:
 Hazardous combustion products: None under normal conditions.
 Unusual fire & explosion hazards: No unusual fire or explosion hazards noted.
 Specific hazards: No specific reactivity hazards associated with this product.
- 5.3 Advice for firefighters:
 Special firefighting procedures: No specific firefighting procedure given.
 Protective measures in fire: Wear self-contained breathing apparatus and protective equipment appropriate for surrounding materials.
- 5.4 Flash Point N/A
 5.5 Explosion Limits N/A
 5.6 Auto-ignition temp N/A
 5.7 Flammability N/A

Section 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures: Use protective equipment as described in Section 8.
- 6.2 Environmental precautions: Dispose in accordance with applicable local, state, and federal regulations.
- 6.3 Methods and materials for containment and clean up: Wear appropriate protective clothing. Avoid breathing vapors, mist, or gas. Contain spill to prevent migration. Wipe up spill, place in suitable, closed container for appropriate disposal. Wash area of spill with soap and water. Dispose in accordance with applicable local, state, and federal regulations.
- 6.4 Reference to other sections: Wear protective clothing as described in Section 8 of this safety data sheet.

Section 7: Handling and storage

- 7.1 Precautions for safe handling: Avoid getting components of this kit on skin, in eyes, in airways, or in mouth. Always wear appropriate protective clothing. Always wash hands and other exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. Only qualified and experienced professionals should handle this kit.
- 7.2 Conditions for safe storage, including any incompatibilities: Keep in properly labeled container. Store at specified temperature. Refer to product label and package insert instructions.
- 7.3 Specific end use(s): The identified uses for this product are detailed in Section 1.2.

Section 8: Exposure controls/personal protection

- 8.1 Exposure controls:
 Engineering measures: No special engineering controls are required. Use with adequate ventilation.
 Process conditions: Provide eyewash station.
 Protective equipment:



- Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
 Hand protection: Chemical resistant gloves should be worn to prevent skin contact.
 Eye protection: Safety glasses are recommended to prevent eye contact.
 Skin protection: Wear lightweight protective clothing to prevent any possibility of skin contact.
 Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties:
 Appearance: N/A
 Odor: N/A
 Water solubility: N/A
 Boiling point (°C): N/A
 Melting point (°C): N/A
 Density: N/A
 Vapor pressure: N/A
 pH: N/A
 Evaporation rate: Not applicable.
 Viscosity: Not determined.
 Decomposition temperature (°C): Not determined.
 Flash point (°C): N/A
 Auto ignition temperature (°C): N/A
 Flammability limit – lower (%): N/A
 Partition coefficient (N-octanol/water): Not determined.
 Explosive properties: Not determined.
 Oxidizing properties: Not determined.

9.2 Other information: None.

Section 10: Stability and reactivity

10.1	Reactivity:	No data available.
10.2	Stability:	Stable until the expiration date if stored as directed.
10.3	Possibility of hazardous reactions:	Not determined.
10.4	Conditions to avoid:	N/A
10.5	Incompatible materials:	N/A
10.6	Hazardous decomposition products:	No data available.

Section 11: Toxicological information

11.1	Toxicological information:	
	Acute toxicity:	No data available.
	Oral LD50:	No data available.
	Inhalation LC50:	No data available.
	Dermal LD50:	No data available.
	Other information on acute toxicity:	No data available.
	Skin corrosion/irritation – human skin model test:	Not determined.
	Serious eye damage/irritation:	Not determined.
	Respiratory sensitization:	No information available.
	Skin sensitization:	No information available.
	Germ cell mutagenicity (in vitro):	No information available.
	Germ cell mutagenicity (in vivo):	No information available.
	Carcinogenicity:	Not determined.
	Reproductive toxicity	No information available.
	Teratogenicity:	No data available.
	STOT-single exposure:	Not determined.
	STOT-repeated exposure:	Not determined.
	Aspiration hazard:	Not determined.
	Inhalation:	May be harmful if inhaled. May be irritating to respiratory tract.
	Ingestion:	May be harmful if swallowed.
	Skin contact:	May cause skin irritation.
	Skin absorption:	May be harmful if absorbed through the skin.
	Eye contact:	May cause eye irritation.
	Symptoms of Exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological information

12.1	Ecotoxicity effects:	No data available.
12.2	Mobility in soil:	No data available.
12.3	Biodegradation:	No data available.
12.4	Bioaccumulative potential:	No data available.
12.5	Results of PBT and vPvB assessment:	No data available.
12.6	Other adverse effects:	No data available.

Section 13: Disposal considerations

General information: when handling waste, consideration should be made to the safety precautions applying to handling of the product.

- 13.1 Waste treatment methods: Dispose of waste materials, unused components, and contaminated packaging in compliance with country, state, district, and local regulations. If unsure of the applicable requirements, contact the authorities for information. Solutions containing human-sourced material should be handled as if potentially infectious. Use safe laboratory procedures in compliance with the Federal Bloodborne Pathogens Standard (29 CFR Part 1910.1030 December 1991).

Section 14: Transport information

14.1	U.S. and Canadian Transportation; DOT:	
	Proper shipping name:	Chemical kits
	UN Identification number:	3316
	Class and Description:	Class 9, miscellaneous
	Packing group:	Not applicable.
	Hazard label:	Class 9
14.2	International Air Transportation (IATA):	
	Proper shipping name:	Chemical kits
	UN Identification number:	3316
	Class and Description:	Class 9, miscellaneous
	Packing group:	III
	Hazard label:	Class 9

Section 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
- | | |
|------------------------------|--|
| Product related information: | The product is not subject to classification according to sources of literature known to us. Observe general safety regulations when handling chemicals. |
| Safety statements: | Avoid release to the environment. |
| Risk statements: | Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| U.S. regulatory information: | SARA Listed: None of the materials contained in this product are subject to SARA 313 reporting requirements. |

Section 16: Other information

General information: This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. Only trained personnel should use this material.

SDS No: F18-9131-7-A

Date: March 4, 2015

Risk phrases in full: None.

Hazard statements in full: None.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. ImmunoChemistry Technologies shall not be liable for any damage resulting from handling or from contact with this product.