

Material Safety Data Sheet



Section 1. Identification

Document #: KFBMSDS.004

Effective Date: 10/29/13

Product Type: Streptavidin-Horseradish Peroxidase (SA-HRP)

Catalog Numbers: AR0068, AR0100

Manufacturer: Kingfisher Biotech, Inc.
1000 Westgate Drive, Suite 123
St. Paul, MN 55114
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info@kingfisherbiotech.com (email)

Section 2. Composition/Information on Ingredients

This product contains less than 1% w/v of Horseradish Peroxidase, CAS # 9003-99-0, EC # 232-668-6, EU Classification R42.

This product contains 99% of a propriety formulation; no hazardous components above 1% or carcinogens above 0.1%.

Other components:

This aqueous, protein-containing mixture is preserved with three mercury-free preservatives [0.02% methylisothiazolone, 0.02% bromonitrodioxane, and 20 ppm Proclin™ 300], all of which can produce adverse health effects in their concentrated form. For more specific toxicity information on these components, refer to the material safety data sheets available from the manufacturers (Boehringer Mannheim Corporation and Rohm and Haas, respectively).

Section 3. Hazards Identification

Non-hazardous liquid. This product is non-flammable. May cause eye irritation.

This product does not meet the definition of a hazardous chemical given in 29 CFR 1910.1200 (OSHA).

Section 4. First Aid Measures

Eye Contact: Flush with large amounts of water or normal saline for at least 15 minutes. Consult a physician if irritation persists.

Skin Contact: No adverse acute effects are expected via this route of entry. Flush with water, and then thoroughly wash affected area with soap and water.

Ingestion: No data on ingestion of the material is available. Extremely large oral doses may produce gastrointestinal disturbance. If swallowed, consult with medical staff or poison control center to determine if any immediate response or follow-up actions are required.

Inhalation: No adverse acute effects are expected via this route of entry. No special first aid measures are necessary; inhalation or aspiration unlikely.

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Section 5. Fire Fighting Measures

Extinguishing Media: Foam, Alcohol Foam, CO₂ Dry Chemical and Water/Fog

Section 6. Accidental Release Measures

Contain spill and then clean up with copious amount of water.

Section 7. Handling and Storage

Store product at 2-8°C.

Section 8. Exposure Control/Personal Protective Measures

Do not pipette by mouth. Do not eat, drink or smoke in areas where kit reagents or samples are handled. Avoid contact of skin or mucous membranes. Rubber or disposable latex gloves and protective clothing should be worn while handling. Avoid splashing or generation of aerosols.
Eye Contact: Direct contact with product may result in eye irritation.

Section 9. Physical and Chemical Properties

Physical State and Appearance: Liquid

Dispersion properties: Not available

Boiling Point: 100°C

pH: 6.2-6.7

Solubility: Soluble in water

Odor: Odorless

Taste: Not available

Color: Amber

Section 10. Stability and Reactivity

Stable.

Section 11. Toxicological Information

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

Hazardous Polymerization: Will not occur

Incompatibility Materials to Avoid: None known

Section 12. Ecological information

N/A

Section 13. Disposal guidelines

Observe all federal, state and local environmental regulations.

Section 14. Transport information

Product and all components should be transported at room temperature.

Non-regulated, non-hazardous for transport.

Section 15. Regulatory information and considerations

US Federal Regulations

CERCLA (Comprehensive Response Compensation and Liability Act): Not applicable.

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SARA TITLE III (Superfund Amendments and Reauthorization Act):
Not listed.

International Regulations

There are no hazardous ingredients in an amount that requires identification and labeling according to European Community Directives.

EUROPEAN UNION'S REACH (Registration, Evaluation, and Authorization of Chemicals): This product meets the definition of a "preparation." The aggregate volume of each non-exempt substance in this product does not exceed the 1 metric ton per year threshold; therefore, registration is not required.

Section 16. Other

Proclin™ is a trademark of Rohm and Hass Company, or of its subsidiaries or affiliates.

The above information is believed to be correct to the best of our current knowledge. Kingfisher Biotech, Inc. does not guarantee this to be all-inclusive and shall not be held liable for any damages resulting from handling of or contact with the above product. All materials and mixtures may present unknown hazards and should be used with caution. See purchase order, packing slip, package insert, website, and invoice for additional terms and conditions of sale.

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