

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product details:	Horseradish Peroxidase Avidin D
Trade name:	eBioscience Ready-SET-Go! Detection Enzyme
Chemical Family:	
Manufacturer/Supplier:	eBioscience, Inc. 10255 Science Center Drive San Diego, Ca 92121 888-999-1371

Section 2 - Composition / Information on Ingredients

Component	CAS#	EC#	% By Weight
Thimerosal	54-64-8	N/A	After Processing < 0.01

Section 3 - Hazards Identification

Hazard description:

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.

Classification system

The classification was made according to the latest editions of the international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0-4)

Health = 0

Fire = 0

Reactivity = 0

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Section 4 - First Aid Measures

Inhalation:	Seek medical treatment in case of complaints.
Skin Contact:	Wash skin with soap and water for at least 15 minutes while removing contaminated personal protective equipment, clothing, and shoes. Seek medical attention if needed.
Eye Contact:	Irrigate eyes for at least 15 minutes. If symptoms persist, consult a doctor.
Ingestion:	If symptoms persist, seek medical attention immediately.

Section 5 - Fire Fighting Measures

Suitable extinguishing agents

CO₂, extinguishing powder or water spray. Fight larger fires with water supply or alcohol resistant foam.

Protective equipment: No special measures required.

Section 6 - Accidental Release Measures

Person-related safety precautions: Not required.

Measures for environmental protection: Wipe up with damp sponge or mop.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, and universal binders).

Additional information: No dangerous substances are released.

Section 7 - Handling and Storage

Handling

Information for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

Storage

Temperature requirement to be met by storerooms and receptacles: 4 C

Information about storage in one common storage facility: Store away from oxidizing agent.

Further information about storage conditions: None

Section 8 - Exposure Control / Personal Protection

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

Personal Protective Equipment

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.

Protection of hands: Chemical resistant gloves (i.e. latex, nitrile, or equivalent).

Eye protection: Safety glasses

Body protection: Protective work clothing (lab coat).

Section 9 - Physical and Chemical Properties

General Information	
Physical State:	Liquid
Color:	Light brown
Odor:	Odorless
Change in condition:	Undetermined
Melting point/melting range:	Not determined
Boiling point/boiling range:	Not determined
Flash point:	Not applicable
Danger of explosion:	Product does not present an explosion hazard.
Vapor pressure:	Not applicable
Density:	Not determined
Solubility with water	Soluble

Section 10 - Stability and Reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Materials to be avoided: Incompatible material: Strong oxidizers.

Dangerous reactions: No dangerous reactions known

Dangerous products of decomposition: No dangerous decomposition products known

Section 11 - Toxicological Information

Acute toxicity:
Primary irritant effect:
Skin: No irritant effect.
Eye: No irritating effect.
Sensitization: No sensitizing effects known.

Additional toxicological information:
 California Proposition 65 – Warning: This product is known to the State of California to cause birth defects, or other reproductive harm.

Section 12 - Ecological Information

Ecotoxicological effects:
Other information: The ecological effects have not been thoroughly investigated, but currently none have been identified.
General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Section 13 - Disposal Considerations

Product:
Recommendation
 Must adhere to state and federal regulations.
 Smaller quantities can be disposed of with solid waste.
 Disposal must be made according to the regulations found in 40 CFR 261.
 This product is not considered a RCRA hazardous waste.

Uncleaned packagings:
Recommendation: Disposal must be made according to state and federal regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

Section 14 - Transport Information

DOT regulations Hazard Class: Non hazardous for transport
Land transport ADR/RID class: Non hazardous for transport
Maritime transport IMDG Class: Marine pollutant: No
Air transport ICAO/IATA Class: Non hazardous for air transport

Section 15 - Regulatory Information

SARA Section 355 (extremely hazardous substances)

None of the ingredients is listed.

SARA Section 313 (specific toxic chemical listings)

None of the ingredients is listed.

TSCA (Toxic Substances Control Act)

BSA, PVP, 108-95-2 phenol, thimerosal

California Proposition 65 – Chemicals known to cause cancer

None of the ingredients is listed.

California Proposition 65 – Chemicals known to cause reproductive toxicity

Mercury and mercury compounds are chemicals known to the State of California to cause reproductive toxicity.

Note: Contains less than 0.02% of an organic mercury compound. Foreseeable use of this product does not pose a known threat reproductive toxicity.

Carcinogenicity categories**IARC (International Agency for Research on Cancer)**

108-95-2 phenol 3

NTP (National Toxicology Program)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

108-95-2 phenol A4

Product related hazard information:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations pertaining to regulations on hazardous materials.

National regulations

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Section 16 - Other Information

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control: all risks of use of the product are therefore assumed by the user.

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