



Material Safety Data Sheet

Section 1 – Product and Company Information

Product Name: TMB Microwell Substrates for Horseradish Peroxidase (3,3',5,5' tetramethylbenzidine)

T118 TMB HRPO Microwell Substrate Horseradish Peroxidase Standard Kinetic Substrate One Component "Ready Use"
T263 TMB HRPO Microwell Substrate Horseradish Peroxidase UltraSensitive™ Substrate One Component "Ready Use"
T342 TMB HRPO Microwell Substrate Horseradish Peroxidase Conductivity Substrate One Component "Ready Use"
T117 TMB HRPO Microwell Substrate Horseradish Peroxidase Slow Kinetic Substrate One Component "Ready Use"
T119 TMB HRPO Microwell Substrate Horseradish Peroxidase No Hydrogen Peroxide Substrate

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Section 2 – Composition/ Information on Ingredients

Substance Name: TMB Microwell Substrates for Horseradish Peroxidase (3,3',5,5' tetramethylbenzidine)

Description: TMB substrates in clear to light yellow trade secret formulation.

Section – 3 Hazardous Identification

This product contains a non-carcinogenic analog of Benzedine, mild oxidizing agent. The toxicological properties have not been thoroughly investigated.



Products are for research use only. Not for use in diagnostic or therapeutic procedures.



Material Safety Data Sheet

Section – 4 First Aid Measures

Oral Exposure: If swallowed, induce vomiting and immediately call a physician.

Inhalation Exposure: If inhaled, remove to fresh air. If not breathing, administer CPR. If breathing becomes difficult, give oxygen. If discomfort persists, seek medical attention.

Dermal Exposure: In case of contact, wash skin with soap and copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye Exposure: 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

Flammable Hazards: N/A

Explosion Hazards: N/A

Flash Point: N/A

Auto Ignition Temp: N/A

Flammability: N/A

Extinguishing Media: Suitable: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

Firefighting: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section – 6 Accidental Release Measures

Procedure to be Followed In Case of Leak or Spill: Cover released or spilled material with absorbent.

Procedures and Personal Precautions: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.



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Material Safety Data Sheet

Methods for Cleaning Up: Cover with dry-lime, sand or soda ash. Dispose of with copious amounts of water in accordance with all national, state and local regulations

Environmental Precautions: Do not allow material to enter drains or water courses. Avoid contaminating sewers and waterways with this material.

Section – 7 Handling and Storage

Handling: User Exposure: Avoid inhalation of vapors. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Do not use if skin is cut or scratched. Wash thoroughly after handling.

Storage: Suitable: Keep tightly closed and sealed. Store at 2 – 8°C

Section – 8 Physical/Chemical Properties

Form: Solution
Color: Clear to light yellow
Boiling Point: Unknown
Melting Point: Unknown
Specific Gravity: 1.010 (H₂O=1.0)
Solubility in Water: Aqueous
Vapor Pressure: Unknown
Vapor Density Unknown
pH Range: Unknown

Section – 9 Stability and Reactivity

Stability: Stable

Materials to Avoid: Oxidizing agents and metals.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

Hazardous Polymerization Products: Hazardous polymerization products will not occur.

Section – 10 Toxicological Information

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin. Readily absorbed through skin.

Eye Contact: May cause eye irritation.



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**Leinco
Technologies, Inc.**

www.leinco.com

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Material Safety Data Sheet

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Toxic if inhaled.

Ingestion: Toxic if swallowed.

Target Organs or Systems: Eyes, Kidneys, Liver, Heart and Skin.

Signs and Symptoms of Exposure: Dizziness. Gastrointestinal disturbances. Nausea, headache and vomiting. Ingestion can cause: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Unconsciousness. Drowsiness. Confusion. Weakness. Cannot be made non-poisonous.

Section – 11 Ecological Information

No data available.

Section – 12 Other Information

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Warranty: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Leinco Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Copyright 2007 Leinco Technologies, Inc. License granted to make unlimited paper copies for internal use only.



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