

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

1.1 Product Identifier

ELISA Kit Assay (Product code containing #EB symbols)

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

| | |
|-----------------------------|--------------------------|
| Recommend use | For research use only |
| Uses advised against | No information available |

1.3 Supplier Identification

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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Emergency overview

No specific hazard

2.2 HMIS rating

Health: 0
Flammability: 0
Reactivity: 0

2.3 NFPA rating

Health: 0
Flammability: 0
Reactivity: 0

Routes of entry: Avoid ingestion and inhalation, avoid contact with skin, eyes.

Threshold Limit Value (TLV) and source: Data N/A. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated.

Potential acute health effects: May cause skin, eye, or lung irritation. To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated. Allergy-prone individuals should be particularly cautious with proteins or other materials of biologic origin.

Carcinogenic effects data: N/A

Chronic effects of overexposure: N/A

Vapor pressure (mm Hg): N/A

Solubility in water: Liquids readily miscible in water.

Section 3: Composition/information on ingredients

Product Name: Enzyme Linked Immunosorbent Assay Reagent ELISA Reagent

| Component | Size | Composition | CAS No. |
|----------------------------|---------|--|----------------------|
| Antibody coated microwells | 96 well | Plate coated with antibody | - |
| Detection Reagent A | 120µL | Detection Antibody; 50% glycerol | 56-81-5 |
| Detection Reagent B | 120µL | HRP-linked Avidin, 50% glycerol | 56-81-5 |
| 25X Wash Buffer | 30 mL | 1% tween-20 0.33% Thymol, in 25X TBS | 9005-64-5 89-83-8 |
| Sample Diluent | 20 mL | 1×TBS with 1% BSA and 0.01% proclin 300 | 9048-46-8 |
| TMB Substrate | 10 mL | 0.05% 3,3',5,5'-tetramethylbenzidine | 54827-17-7 |
| Stop Solution | 10 mL | 1mol/L H ₂ SO ₄ | 7664-93-9 |
| Standard | 2 vials | Recombinant protein, in a buffer, lyophilized. | - |
| Assay Diluent A | 10 mL | 1×TBS with 1% BSA and 0.01% proclin 300. | 9048-46-8 |
| Assay Diluent B | 10 mL | 1×TBS with 1% BSA and 0.01% proclin 300. | 9048-46-8 |

Section 4: First aid measures

4.1 Description of first aid measures

| | |
|-----------------------|---|
| General advice | If symptoms persist, call a physician. |
| Eye contact | If any component of this contacts the eyes, flush the eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Consult a physician. |
| Skin contact | If any component of this kit contacts the skin, immediately wash skin with soap and copious amounts of water. |
| Inhalation | If any component of this kit is inhaled, remove to fresh air. If not breathing, perform CPR and get immediate medical attention. |
| Ingestion | If any component of this kit is swallowed, wash mouth out with water, provided person is conscious. Get medical attention. |

4.2 Most important symptoms and effects, both acute and delayed

Main symptoms see section 2.2.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Flammability: May be combustible at high temperature.

Flash points: N/A

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards

None in particular.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters

Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing.

Section 6: Accidental release measurements

6.1 Personal precautions

Use personal protective equipment.

Avoid contact with the skin and the eyes.

Evacuate personnel to safe areas.

Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

6.3 Methods for containment

Prevent further leakage or spillage if safe to do so

6.4 Methods for cleaning up

Soak up with inert absorbent material.

Pick up and transfer to properly labeled containers.

After cleaning, flush away traces with water.

Section 7: Handling and storage

7.1 Advice on safe handling

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

7.2 Storage conditions

Material may be air sensitive. Desiccation recommended.

The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 upon being received. The other reagents can be stored at 4 .

Keep out of the reach of children.

Keep container tightly closed.

Keep containers tightly closed in a cool, well-ventilated place.

Keep in properly labeled containers.

7.3 Specific end use

Specific use(s) No information available.
Exposure scenario No information available.

Section 8: Exposure controls/personal protection

8.1 Personal Protection

| | |
|---------------------------------|---|
| Eye/face protection | Tightly fitting safety goggles. Face-shield. |
| Skin and body protection | No special protective equipment required |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

8.2 ACGIH/OSHA Permissible Exposure Limit Data:

Not determined

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|--|
| Antibody coated microwells: | Physical state and appearance: Solid (microwells) Solubility in water: Partially soluble Detection Reagent A, Detection Reagent B, Standard Diluent: Physical state: Solutions Boiling point: Decomposes Vapor Pressure: N/A Vapor density: N/A Specific gravity: N/A Melting point: N/A Evaporation rate: N/A Solubility in water: Solutions are dilutable |
| 25X wash buffer, TMB substrate, stop solution: | Physical state and appearance: Clear solutions Boiling point: Decomposes Vapor Pressure: N/A Vapor density: N/A Specific gravity: N/A Melting point: N/A Evaporation rate: N/A Solubility in water: Solutions are dilutable |

Section 10: Stability and reactivity

10.1 Reactivity

No information available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Precautionary Statements

Wash hands thoroughly after handling. Wear protective gloves, clothing and eye and face protection.

10.4 Conditions to avoid

None known based on information supplied.

10.5 Incompatible materials

None known based on information supplied.

10.6 Hazardous decomposition products

None known based on information supplied.

10.7 Hazardous polymerization

Hazardous polymerization does not occur.

10.8 Other toxic effects on humans

May cause slight irritation in case of eye contact, inhalation or ingestion.

Section 11: Toxicological information

11.1 Information on toxicological effects

| | |
|------------------------------|-----|
| Irritability | N/A |
| Mutagenicity | N/A |
| Reproductive toxicity | N/A |
| Mutagenic effects | N/A |
| Other toxic effects on human | N/A |

Section 12: Ecological information

Do not allow product to reach ground water, water course, or sewage system.

Section 13: Disposal considerations

Waste disposal methods

Contact a licensed professional waste disposal service to dispose of this material. This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions

are made to this material, or if the material is processed or otherwise altered. Consult the appropriate state, regional, or local regulations for additional requirements.

| | |
|--|--|
| Waste from residues / unused products | Dispose of in accordance with local regulations |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal |
| Other information | According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used. |

Section 14: Transport information

Overland transportation (ADR/RID)

As a mixture, the substance is subject to no limitations.

Transatlantic transportation (IMDG)

As a mixture, the substance is subject to no limitations.

Air transportation (ICAO/IATA)

As a mixture, the substance is subject to no limitations.

Section 15: Regulatory information

Observe the general safety regulations when handling chemicals. No single component contains a hazardous ingredient in an amount that requires identification and labeling.

Section 16: Other information

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****End Of MSDS****