Safety Data Sheet  
According to Regulation (EC) No 1272/2008 (CLP) and GHS  

SDS summary  

Product category: ELISA Pro  

Product code: 3119-1HP-1, 3119-1HP-10, 3119-1HP-2, 3311-1HP-1, 3311-1HP-10, 3311-1HP-2, 3321-1HP-1, 3321-1HP-10, 3391-1HP-1, 3391-1HP-10, 3410-1HP-1, 3410-1HP-10, 3416-1HP-1, 3416-1HP-10, 3416-1HP-DP-1, 3420-1HP-1, 3420-1HP-10, 3420-1HP-DP-1, 3421M-1HP-1, 3421M-1HP-10, 3425-1HP-1, 3425-1HP-10, 3430-1HP-1, 3430-1HP-10, 3441-1HP-1, 3441-1HP-10, 3445-1HP-1, 3445-1HP-10, 3445-1HP-DP-1, 3445M-1HP-1, 3445M-1HP-10, 3450-1HP-1, 3450-1HP-10, 3450-1HP-DP-1, 3451-1HP-1, 3451-1HP-10, 3451-1HP-DP-1, 3455-1HP-1, 3455-1HP-10, 3456-1HP-1, 3456-1HP-10, 3456-1HP-DP-1, 3457-1HP-1, 3457-1HP-10, 3460-1HP-1, 3460-1HP-10, 3460-1HP-DP-1, 3465-1HP-1, 3465-1HP-10, 3465-1HP-DP-1, 3470M-1HP-1, 3470M-1HP-10, 3470M-1HP-DP-1, 3471-1HP-1, 3471-1HP-10, 3471-1HP-DP-1, 3480-1HP-1, 3480-1HP-10, 3486-1HP-1, 3486-1HP-10, 3490-1HP-1, 3490-1HP-10, 3510-1HP-1, 3510-1HP-10, 3510-1HP-DP-1, 3511-1HP-1, 3511-1HP-10, 3511-1HP-DP-1, 3512-1HP-1, 3512-1HP-10, 3512-1HP-DP-1, 3512M-1HP-1, 3512M-1HP-10, 3512M-1HP-DP-1, 3520-1HP-1, 3520-1HP-10, 3520-1HP-DP-1, 3550-1HP-1, 3550-1HP-10, 3550-1HP-DP-1, 3550-1HP-10, 3560-1HP-1, 3560-1HP-10, 3560-1HP-DP-1, 3580-1HP-1, 3580-1HP-10, 3710-1HP-1, 3710-1HP-10, 3710-1HP-DP-1, 3711-1HP-1, 3711-1HP-10, 3711-1HP-DP-1, 3712-1HP-1, 3712-1HP-10, 3712-1HP-DP-1, 3714-1HP-1, 3714-1HP-10, 3714-1HP-DP-1, 3715-1HP-1, 3715-1HP-10, 3715-1HP-DP-1, 3716-1HP-1, 3716-1HP-10, 3750-1HP-1, 3750-1HP-10, 3750-1HP-DP-1, 3752-1HP-1, 3752-1HP-10, 3810-1HP-1, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10, 3810-1HP-DP-1, 3810-1HP-10, 3810-1HP-10

<table>
<thead>
<tr>
<th>Component</th>
<th>Substance/ Mixture</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Conc.</th>
<th>Hazard pictogram code</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-coated 96-well strip plate, ELISA Standard, Standard reconstitution buffer, Adhesive plate covers</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Not hazardous at this concentration</td>
</tr>
<tr>
<td>Biotinylated detection antibody</td>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td>0.02 %</td>
<td>N/A</td>
<td>Not hazardous at this concentration</td>
</tr>
<tr>
<td>Streptavidin-HRP, Wash buffer concentrate (20x), ELISA diluent/Assay buffer/Sx APO ELISA buffer concentrate/Sx Sample diluent/RF-block diluent, SA-HRP diluent/Dilution buffer</td>
<td>Kathon CG, contains a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one 2-Methyl-4-isothiazolin-3-one</td>
<td>55965-84-9, 26172-55-4, 2682-20-4</td>
<td>247-500-7, 220-239-6</td>
<td>&lt;0.002 %, &lt;0.002 %</td>
<td>N/A</td>
<td>Not hazardous at this concentration</td>
</tr>
<tr>
<td>TMB substrate</td>
<td>3,3',5,5' Tetramethylbenzidine Hydrogen peroxide (H₂O₂)</td>
<td>54827-17-7, 7722-84-1</td>
<td>259-364-6, 231-765-0</td>
<td>&lt; 1 %, &lt; 0.1 %</td>
<td>N/A</td>
<td>Not hazardous at this concentration</td>
</tr>
<tr>
<td>Stop solution</td>
<td>Sulfuric acid H₂SO₄</td>
<td>7664-93-9</td>
<td>231-639-5</td>
<td>0.96% (v/v)</td>
<td>N/A</td>
<td>Not hazardous at this concentration</td>
</tr>
</tbody>
</table>

If applicable, components listed in the summary above are further specified below into 16 sections according to the Regulation (EC) No 1272/2008 (CLP) and GHS.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product category: ELISA Pro
Component: Biotinylated detection antibody
Substance/Mixture: Sodium azide

1.2 Relevant identified uses and uses advised against
Recommended use: Laboratory chemical for research use only
Uses advised against: No information available

1.3 Supplier
Mabtech AB
Box 1233,
SE 131 28 Nacka Strand, Sweden
Tel: +46 8 716 27 00
Email: mabtech@mabtech.com

1.4 Emergency telephone number
Contact your local emergency number.

SECTION 2: Hazards identification

2.1 Classification of mixture
According to Regulation (EC) No 1272/2008 (CLP)
Not hazardous at this concentration.

2.1.1 Hazard pictogram
N/A

2.1.2 Signal word
N/A

Precautionary statements
N/A

SECTION 3: Composition/information on ingredients

3.1 Description of the mixture
Sodium azide

3.2 Hazardous ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Conc.</th>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td>0.02 %</td>
<td>Not hazardous at this concentration.</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures
   a) Following inhalation: Move into fresh air. Seek medical attention for any breathing difficulty.
   b) Following skin contact: Wash with soap and plenty of water. Seek medical attention if irritation persists.
   c) Following eye contact:
Rinse opened eye for several minutes under running water and seek medical attention.

d) Following ingestion:
Rinse mouth with water. Seek medical attention.

4.2 Most important symptoms and effects
No information available.

SECTION 5: Firefighting measures

5.1 General information
Not flammable or combustible.

5.2 Extinguishing media
No known restrictions; use any means suitable for nearby fire.

5.3 Special hazards arising from the substance or mixture
None in particular.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use gloves and good hygienic practices.

6.2 Environmental precautions
None in particular.

6.3 Methods and material for containment and cleaning up
Use paper towels to absorb the liquid.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
None in particular.

7.2 Technical measures and storage conditions
Store according to product specifications.

SECTION 8: Exposure controls/personal protection

8.1 Exposure controls/personal protection
None in particular.

8.2 Personal protective equipment

<table>
<thead>
<tr>
<th>Type</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Eye protection</td>
<td>Recommended</td>
</tr>
<tr>
<td>b) Hand protection</td>
<td>Recommended</td>
</tr>
<tr>
<td>c) Skin and body protection</td>
<td>Recommended</td>
</tr>
<tr>
<td>d) Respiratory protection</td>
<td>No specific requirements</td>
</tr>
<tr>
<td>e) Thermal hazards</td>
<td>No specific requirements</td>
</tr>
</tbody>
</table>

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
SECTION 10: Stability and reactivity

10.1 Chemical stability
Stable under recommended use and storage conditions.

10.2 Possibility of hazardous reactions
The sodium azide concentration (0.02%) provided in this product, although not classified as hazardous, can lead to concentration build-ups in drains that may react with lead and copper plumbing to form explosion.

10.3 Conditions to avoid
Elevated temperature.

10.4 Incompatible materials
Heavy metals like copper and lead.

10.5 Hazardous decomposition products
Not determined.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
a) Acute toxicity:
   No toxic effects.

b) Skin corrosion/irritation:
   No effects.

c) Eye damage/irritation:
   No effects.

d) Sensitization to the respiratory tract/skin:
   No effects.

e) Carcinogenicity:
   No information available.

f) Reproductive toxicity:
SECTION 12: Ecological information

12.1 Toxicity
   a) Aquatic toxicity: Not determined.
   b) Sediment toxicity: Not determined.
   c) Terrestrial toxicity: Not determined.

12.2 Persistence and degradability
   Not determined.

12.3 Bioaccumulative potential
   Not determined.

12.4 Mobility in soil
   Not determined.

12.5 Results of PBT and vPvB assessment
   Not determined.

12.6 Other adverse effects
   No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
   a) Waste from residues or unused products:
      Dispose the non-hazardous waste according to local regulations. Flush drain extensively.
   b) Packaging:
      Empty container is not considered as hazardous waste.

SECTION 14: Transport information

14.1 Transport hazard classes
   a) ADR:
      This product does not require a classification for transport.
   b) IATA:
      This product does not require a classification for transport.
   c) DOT:
      This product does not require a classification for transport.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
   No information available.

15.2 Chemical safety assessment
   No information available.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product category: ELISA Pro
Component:
- Streptavidin-HRP
- Wash buffer concentrate (20x)
- ELISA diluent/Assay buffer
- SA-HRP diluent

Substance/Mixture: Kathon CG

1.2 Relevant identified uses and uses advised against
Recommended use: Laboratory chemical for research use only
Uses advised against: No information available

1.3 Supplier
Mabtech AB
Box 1233,
SE 131 28 Nacka Strand, Sweden
Tel: +46 8 716 27 00
Email: mabtech@mabtech.com

1.4 Emergency telephone number
Contact your local emergency number.

SECTION 2: Hazards identification

2.1 Classification of mixture
According to Regulation (EC) No 1272/2008 (CLP)
Not hazardous at this concentration.

Hazard pictogram: N/A
Signal word: N/A

Precautionary statements
N/A

SECTION 3: Composition/information on ingredients

3.1 Description of the mixture
Kathon CG contains a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one.

3.2 Hazardous ingredients
### Substance Information

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Conc.</th>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-chloro-2-methyl-4-isothiazolin-3-one</td>
<td>26172-55-4</td>
<td>247-500-7</td>
<td>&lt;0.002 %</td>
<td>Not hazardous at this concentration.</td>
</tr>
<tr>
<td>2-Methyl-4-isothiazolin-3-one</td>
<td>2682-20-4</td>
<td>220-239-6</td>
<td>&lt;0.002 %</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 4: First aid measures

4.1 **Description of first aid measures**

a) Following inhalation:
   Move into fresh air. Seek medical attention for any breathing difficulty.

b) Following skin contact:
   Wash with soap and plenty of water. Seek medical attention if irritation persists.

c) Following eye contact:
   Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Seek medical attention if irritation persists.

d) Following ingestion:
   Do not induce vomiting. Rinse mouth with water. Seek medical attention.

4.2 **Most important symptoms and effects**

No information available.

### SECTION 5: Firefighting measures

5.1 **General information**

Not flammable or combustible.

5.2 **Extinguishing media**

No known restrictions; use any means suitable for nearby fire.

5.3 **Special hazards arising from the substance or mixture**

None in particular.

### SECTION 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures**

Use gloves and good hygienic practices.

6.2 **Environmental precautions**

None in particular.

6.3 **Methods and material for containment and cleaning up**

Use paper towels to absorb the liquid.

### SECTION 7: Handling and storage

7.1 **Precautions for safe handling**

None in particular.
**SECTION 8: Exposure controls/personal protection**

8.1 **Exposure controls/personal protection**

*None in particular.*

8.2 **Personal protective equipment**

<table>
<thead>
<tr>
<th>a)</th>
<th>b)</th>
<th>c)</th>
<th>d)</th>
<th>e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye protection</td>
<td>Hand protection</td>
<td>Skin and body protection</td>
<td>Respiratory protection</td>
<td>Thermal hazards</td>
</tr>
</tbody>
</table>

| Recommended | Recommended | Recommended | No specific requirements | No specific requirements |

**SECTION 9: Physical and chemical properties**

9.1 **Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>a)</th>
<th>b)</th>
<th>c)</th>
<th>d)</th>
<th>e)</th>
<th>f)</th>
<th>g)</th>
<th>h)</th>
<th>i)</th>
<th>j)</th>
<th>k)</th>
<th>l)</th>
<th>m)</th>
<th>n)</th>
<th>o)</th>
<th>p)</th>
<th>q)</th>
<th>r)</th>
<th>s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state at room temperature</td>
<td>Appearance</td>
<td>Odour</td>
<td>pH</td>
<td>Melting/freezing point</td>
<td>Boiling point/range</td>
<td>Flash point</td>
<td>Evaporation rate</td>
<td>Flammability (solid, gas)</td>
<td>Flammability in air</td>
<td>Vapour pressure</td>
<td>Vapour density</td>
<td>Relative density</td>
<td>Water solubility</td>
<td>Solubility in other solvents</td>
<td>Auto-ignition temperature</td>
<td>Decomposition temperature</td>
<td>Viscosity, kinematic</td>
<td>Explosive properties</td>
</tr>
</tbody>
</table>

| Liquid | Clear | Minimal odour | Not determined | Not determined | Not determined | Not determined | Not determined | Not determined | Not determined | Not determined | Not determined | Not determined | Soluble | Not determined | Not self-igniting | Not determined | Not determined | Not determined |

**SECTION 10: Stability and reactivity**

10.1 **Chemical stability**

*Stable under recommended use and storage conditions.*

10.2 **Possibility of hazardous reactions**

*No known hazardous reactions.*

10.3 **Conditions to avoid**

*Elevated temperature.*

10.4 **Incompatible materials**

*Oxidizing and reducing agents, amines and mercaptans.*
10.5 Hazardous decomposition products
Not determined.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
a) Acute toxicity: Not determined.
b) Skin corrosion/irritation: Not determined.
c) Eye damage/irritation: Not determined.
d) Sensitization to the respiratory tract/skin: Not determined.
e) Carcinogenicity: No information available.
f) Reproductive toxicity: No information available.

SECTION 12: Ecological information

12.1 Toxicity
a) Aquatic toxicity: Not determined.
b) Sediment toxicity: Not determined.
c) Terrestrial toxicity: Not determined.

12.2 Persistence and degradability
Not determined.

12.3 Bioaccumulative potential
Not determined.

12.4 Mobility in soil
Not determined.

12.5 Results of PBT and vPvB assessment
Not determined.

12.6 Other adverse effects
Not determined.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
a) Waste from residues or unused products: Dispose the non-hazardous waste according to local regulations.
b) Packaging: Empty container is not considered as hazardous waste.

SECTION 14: Transport information

14.1 Transport hazard classes
a) ADR:  
   This product does not require a classification for transport.

b) IATA:  
   This product does not require a classification for transport.

c) DOT:  
   This product does not require a classification for transport.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
No information available.

15.2 Chemical safety assessment  
No information available.

SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The product is supplied for research use only. Mabtech shall not be liable for the use or handling of the product or for consequential, special, indirect or incidental damage therefrom.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product category: ELISA Pro
Component: TMB substrate
Substance/Mixture 3,3',5,5' Tetramethylbenzidine
Hydrogen peroxide (H₂O₂)

1.2 Relevant identified uses and uses advised against
Recommended use: Laboratory chemical for research use only
Uses advised against: No information available

1.3 Supplier
Mabtech AB
Box 1233,
SE 131 28 Nacka Strand, Sweden
Tel: +46 8 716 27 00
Email: mabtech@mabtech.com

1.4 Emergency telephone number
Contact your local emergency number.

SECTION 2: Hazards identification

2.1 Classification of mixture
According to Regulation (EC) No 1272/2008 (CLP)
Not hazardous at this concentration.

Hazard pictogram N/A
Signal word N/A
Precautionary statements:
N/A

SECTION 3: Composition/information on ingredients

3.1 Description of the mixture
3,3',5,5' Tetramethylbenzidine and Hydrogen peroxide (H₂O₂).

3.2 Hazardous ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Conc.</th>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,3',5,5' Tetramethylbenzidine</td>
<td>54827-17-7</td>
<td>259-364-6</td>
<td>&lt; 1 %</td>
<td>Not hazardous at this concentration</td>
</tr>
<tr>
<td>Hydrogen peroxide (H₂O₂)</td>
<td>7722-84-1</td>
<td>231-765-0</td>
<td>&lt; 0.1 %</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures
a) Following inhalation:
Move into fresh air. Seek medical attention for any breathing difficulty.
b) Following skin contact:
   Wash with water and soap, rinse thoroughly. In case of skin irritation seek medical attention.
c) Following eye contact:
   Rinse opened eye for several minutes under running water. Seek medical attention.
d) Following ingestion:
   Rinse mouth with water. Do not swallow. Seek medical attention.

4.2 Most important symptoms and effects
Not determined.

SECTION 5: Firefighting measures

5.1 General information
Not flammable or combustible.

5.2 Extinguishing media
Use foam, CO₂ or dry agent for extinction.

5.3 Special hazards arising from the substance or mixture
Toxic gases and vapours may be released if involved in a fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use gloves, eye protection and good hygienic practices.

6.2 Environmental precautions
None in particular.

6.3 Methods and material for containment and cleaning up
Use paper towels to absorb the liquid.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Keep container tightly closed.

7.2 Technical measures and storage conditions
Store in amber coloured glass or plastic bottles at 2 -8 °C. Not compatible with some metal ions, such as iron. Do not use rubber stoppers or caps with rubber rings.

SECTION 8: Handling and storage

8.1 Exposure controls/personal protection
None in particular.

8.2 Personal protective equipment
   a) Eye protection  Recommended
   b) Hand protection  Recommended
   c) Skin and body protection  Recommended
d) Respiratory protection: No specific requirements

e) Thermal hazards: No specific requirements

### SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Physical state at room temperature</td>
<td>Liquid</td>
</tr>
<tr>
<td>b) Appearance</td>
<td>Clear to slightly yellow</td>
</tr>
<tr>
<td>c) Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>d) pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>e) Melting/freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>f) Boiling point/range</td>
<td>Not determined</td>
</tr>
<tr>
<td>g) Flash point</td>
<td>Not determined</td>
</tr>
<tr>
<td>h) Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>i) Flammability (solid, gas)</td>
<td>Not determined</td>
</tr>
<tr>
<td>j) Flammability in air</td>
<td>Not determined</td>
</tr>
<tr>
<td>a) Upper flammability limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>b) Lower flammability limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>k) Vapour pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>l) Vapour density</td>
<td>Not determined</td>
</tr>
<tr>
<td>m) Relative density</td>
<td>Not determined</td>
</tr>
<tr>
<td>n) Water solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>o) Solubility in other solvents</td>
<td>Not determined</td>
</tr>
<tr>
<td>p) Auto ignition temperature</td>
<td>Not self-igniting</td>
</tr>
<tr>
<td>q) Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>r) Viscosity, kinematic</td>
<td>Not determined</td>
</tr>
<tr>
<td>s) Explosive properties</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

10.1 Chemical stability

Stable under recommended use and storage conditions.

10.2 Possibility of hazardous reactions

No hazardous reactions known.

10.3 Conditions to avoid

Elevated temperature.

10.4 Incompatible materials

Not compatible with metal ions such as iron or rubber material.

10.5 Hazardous decomposition products

Decomposition products can include carbon oxides.

### SECTION 11: Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity:

   No toxic effects known.

b) Skin corrosion/irritation:

   May cause irritation and redness.

c) Eye damage/irritation:
May cause irritation and redness.
d) Sensitization to the respiratory tract/skin: **May cause irritation.**
e) Carcinogenicity: **Not determined.**
f) Reproductive toxicity: **Not determined.**

SECTION 12: Ecological information

12.1 Toxicity
   a) Aquatic toxicity: **No information available.**
   b) Sediment toxicity: **No information available.**
   c) Terrestrial toxicity: **No information available.**

12.2 Persistence and degradability
**No information available.**

12.3 Bioaccumulative potential
**No information available.**

12.4 Mobility in soil
**No information available.**

12.5 Results of PBT and vPvB assessment
**Not applicable.**

12.6 Other adverse effects
**No further relevant information available.**

SECTION 13: Disposal considerations

13.1 Waste treatment methods
   a) Waste from residues or unused products:
      **Dispose the non-hazardous waste according to local regulations.**
   b) Packaging:
      **Empty container is not considered as hazardous waste. Do not reuse empty containers.**

SECTION 14: Transport information

14.1 Transport hazard classes
   a) ADR: **This product does not require a classification for transport.**
   b) IATA: **This product does not require a classification for transport.**
   c) DOT: **This product does not require a classification for transport.**

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No information available.

15.2 Chemical safety assessment
No information available.

SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The product is supplied for research use only. Mabtech shall not be liable for the use or handling of the product or for consequential, special, indirect or incidental damage therefrom.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product category: ELISA Pro
Component: Stop solution
Substance/Mixture: Sulfuric Acid

1.2 Relevant identified uses and uses advised against
Recommended use: Laboratory chemical for research use only
Uses advised against: No information available

1.3 Supplier
Mabtech AB
Box 1233,
SE 131 28 Nacka Strand, Sweden
Tel: +46 8 716 27 00
Email: mabtech@mabtech.com

1.4 Emergency telephone number
Contact your local emergency number.

SECTION 2: Hazards identification

2.1 Classification of mixture
According to Regulation (EC) No 1272/2008 (CLP)
Not dangerous at this concentration.

Hazard pictogram Signal word
N/A N/A

Precautionary statements:
N/A

SECTION 3: Composition/information on ingredients

3.1 Description of the mixture
Sulfuric Acid

3.2 Hazardous ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Conc.</th>
<th>Classification according to Regulation (EC) No 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>231-639-5</td>
<td>0.96%</td>
<td>Not dangerous at this concentration</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures
a) Following inhalation:
   Move into fresh air. Seek medical attention for any breathing difficulty.

b) Following skin contact:
   Remove contaminated clothing. Wash with water and soap, rinse thoroughly. Seek medical
attention if irritation persists.

c) Following eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

d) Following ingestion:
Do not induce vomiting. Rinse mouth with water. Consult medical personnel for actions to take.

4.2 Most important symptoms and effects
Not determined.

SECTION 5: Firefighting measures

5.1 General information
Not flammable or combustible.

5.2 Extinguishing media
No known restrictions; use any means suitable for nearby fire.

5.3 Special hazards arising from the substance or mixture
None in particular.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use gloves and good hygienic practices. Eye protection is recommended.

6.2 Environmental precautions
None in particular.

6.3 Methods and material for containment and cleaning up
Absorb on sand or vermiculite and place in closed containers for waste disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
None in particular.

7.2 Technical measures and storage conditions
Store this substance in a corrosive resistant container with a resistant inner liner (or in other specified container type); locked up.

SECTION 8: Exposure controls/personal protection

8.1 Exposure controls/personal protection
None in particular.

8.2 Personal protective equipment
a) Eye protection  
   Recommended
b) Hand protection  
   Recommended
c) Skin and body protection  
   Recommended
d) Respiratory protection  
   No specific requirements
e) Thermal hazards  
   No specific requirements
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state at room temperature</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Odour</td>
<td>Minimal odour</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability in air</td>
<td>Not determined</td>
</tr>
<tr>
<td>a) Upper flammability limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>b) Lower flammability limit</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Soluble</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto ignition temperature</td>
<td>Not self-igniting</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1 Chemical stability
Stable under recommended use and storage conditions.

10.2 Possibility of hazardous reactions
No known hazardous reactions.

10.3 Conditions to avoid
Elevated temperature.

10.4 Incompatible materials
No information available.

10.5 Hazardous decomposition products
Not determined.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

a) Acute toxicity:  
   No toxic effects.

b) Skin corrosion/irritation:  
   May cause irritation and redness.

c) Eye damage/irritation:  
   May cause irritation and redness.

d) Sensitization to the respiratory tract/skin:  
   May cause irritation and redness.

e) Carcinogenicity:  
   No information available.
f) Reproductive toxicity:
   No information available.

SECTION 12: Ecological information

12.1 Toxicity
   a) Aquatic toxicity:
      Not determined.
   b) Sediment toxicity:
      Not determined.
   c) Terrestrial toxicity:
      Not determined.

12.2 Persistence and degradability
   Not determined.

12.3 Bioaccumulative potential
   Not determined.

12.4 Mobility in soil
   Not determined.

12.5 Results of PBT and vPvB assessment
   Not determined.

12.6 Other adverse effects
   No further relevant information available.

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13.1 Waste treatment methods
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      Dispose the non-hazardous waste according to local regulations.
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END of SDS