

**Safety data sheet**

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

**SDS summary**Product category: **ELISA Pro kits, except ELISA Pro: Human apoB**

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

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

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](mailto:mabtech@mabtech.com)**

### **1.4 Emergency telephone number**

**Contact your local emergency number.**

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## **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**

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## **SECTION 3: Composition/information on ingredients**

### **3.1 Description of the mixture**

**Sodium azide**

### **3.2 Hazardous ingredients**

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

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## **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.**

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### **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.**

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### **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.**

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### **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.**

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### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Exposure controls/personal protection

**None in particular.**

#### 8.2 Personal protective equipment

a) Eye protection	<b>Recommended</b>
b) Hand protection	<b>Recommended</b>
c) Skin and body protection	<b>Recommended</b>
d) Respiratory protection	<b>No specific requirements</b>
e) Thermal hazards	<b>No specific requirements</b>

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### **SECTION 9: Physical and chemical properties**

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

a) Physical state at room temperature	Liquid
b) Appearance	Clear
c) Odour	Minimal odour
d) pH	Not determined
e) Melting/freezing point	Not determined
f) Boiling point/range	Not determined
g) Flash point	Not determined
h) Evaporation rate	Not determined
i) Flammability (solid, gas)	Not determined
j) Flammability in air	Not determined
a) Upper flammability limit	Not determined
b) Lower flammability limit	Not determined
k) Vapour pressure	Not determined
l) Vapour density	Not determined
m) Relative density	Not determined
n) Water solubility	Soluble
o) Solubility in other solvents	Not determined
p) Auto-ignition temperature	Not self-igniting
q) Decomposition temperature	Not determined
r) Viscosity, kinematic	Not determined
s) Explosive properties	Not determined

## 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:

**No information available.**

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## **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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## **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.**

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## 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:  
**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](mailto:mabtech@mabtech.com)**

### 1.4 Emergency telephone number

**Contact your local emergency number.**

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## 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**

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## 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	CAS No.	EC No.	Conc.	Classification according to Regulation (EC) No 1272/2008 [CLP]
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	247-500-7	<0.002 %	Not hazardous at this concentration.
2-Methyl-4-isothiazolin-3-one	2682-20-4	220-239-6	<0.002 %	

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## 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.**

## 7.2 Technical measures and storage conditions

**Store according to product specifications.**

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## SECTION 8: Exposure controls/personal protection

### 8.1 Exposure controls/personal protection

**None in particular.**

### 8.2 Personal protective equipment

a) Eye protection	<b>Recommended</b>
b) Hand protection	<b>Recommended</b>
c) Skin and body protection	<b>Recommended</b>
d) Respiratory protection	<b>No specific requirements</b>
e) Thermal hazards	<b>No specific requirements</b>

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Physical state at room temperature	<b>Liquid</b>
b) Appearance	<b>Clear</b>
c) Odour	<b>Minimal odour</b>
d) pH	<b>Not determined</b>
e) Melting/freezing point	<b>Not determined</b>
f) Boiling point/range	<b>Not determined</b>
g) Flash point	<b>Not determined</b>
h) Evaporation rate	<b>Not determined</b>
i) Flammability (solid, gas)	<b>Not determined</b>
j) Flammability in air	<b>Not determined</b>
a) Upper flammability limit	<b>Not determined</b>
b) Lower flammability limit	<b>Not determined</b>
k) Vapour pressure	<b>Not determined</b>
l) Vapour density	<b>Not determined</b>
m) Relative density	<b>Not determined</b>
n) Water solubility	<b>Soluble</b>
o) Solubility in other solvents	<b>Not determined</b>
p) Auto-ignition temperature	<b>Not self-igniting</b>
q) Decomposition temperature	<b>Not determined</b>
r) Viscosity, kinematic	<b>Not determined</b>
s) Explosive properties	<b>Not determined</b>

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## 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.**

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## 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.**

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## 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.**

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## 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.**

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## 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.**

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## **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.**

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## **SECTION 16: Other information**

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## 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**  
**(H<sub>2</sub>O<sub>2</sub>)**

### 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](mailto:mabtech@mabtech.com)**

### 1.4 Emergency telephone number

**Contact your local emergency number.**

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## 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**

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## SECTION 3: Composition/information on ingredients

### 3.1 Description of the mixture

**3,3',5,5' Tetramethylbenzidine and Hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>).**

### 3.2 Hazardous ingredients

Substance	CAS No.	EC No.	Conc.	Classification according to Regulation (EC) No 1272/2008 [CLP]
3,3',5,5' Tetramethylbenzidine	54827-17-7	259-364-6	< 1 %	
Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> )	7722-84-1	231-765-0	< 0.1 %	Not hazardous at this concentration

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## 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.**

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## **SECTION 5: Firefighting measures**

### 5.1 General information

**Not flammable or combustible.**

### 5.2 Extinguishing media

**Use foam, CO<sub>2</sub> 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.**

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## **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.**

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## **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.**

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## **SECTION 8: Handling and storage**

### 8.1 Exposure controls/personal protection

**None in particular.**

### 8.2 Personal protective equipment

a) Eye protection	<b>Recommended</b>
b) Hand protection	<b>Recommended</b>
c) Skin and body protection	<b>Recommended</b>

d) Respiratory protection	No specific requirements
e) Thermal hazards	No specific requirements

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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

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## 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.**

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## 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.**

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## 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.**

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## 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.**

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## 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.**

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## 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.**

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**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](mailto:mabtech@mabtech.com)**

### **1.4 Emergency telephone number**

**Contact your local emergency number.**

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## **SECTION 2: Hazards identification**

### **2.1 Classification of mixture**

According to Regulation (EC) No 1272/2008 (CLP)

**Not dangerous at this concentration.**

#### Hazard pictogram

**N/A**

#### Signal word

**N/A**

#### Precautionary statements:

**N/A**

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## **SECTION 3: Composition/information on ingredients**

### **3.1 Description of the mixture**

**Sulfuric Acid**

### **3.2 Hazardous ingredients**

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

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## **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.**

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### **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.**

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### **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.**

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### **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.**

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### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Exposure controls/personal protection

**None in particular.**

#### 8.2 Personal protective equipment

a) Eye protection	<b>Recommended</b>
b) Hand protection	<b>Recommended</b>
c) Skin and body protection	<b>Recommended</b>
d) Respiratory protection	<b>No specific requirements</b>
e) Thermal hazards	<b>No specific requirements</b>

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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

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## 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.**

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## 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.**

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## 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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## 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.**

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## 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.**

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## 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.**

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## **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.

**END of SDS**