

## Safety Data Sheet

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

### SDS summary

Product category: **ELISA Flex (ALP)**

Product code: **3012-1A-6, 3012-1A-20, 3020-1A-6, 3020-1A-20, 3102-1A-20, 3102-1A-6, 3104-1A-20, 3104-1A-6, 3110-1A-20, 3110-1A-6, 3111-1A-20, 3111-1A-6, 3112-1A-20, 3112-1A-6, 3113-1A-20, 3113-1A-6, 3114-1A-20, 3114-1A-6, 3117-1A-20, 3117-1A-6, 3118-1A-20, 3118-1A-6, 3119-1A-20, 3119-1A-6, 3121-1A-20, 3121-1A-6, 3122-1A-20, 3122-1A-6, 3123-1A-20, 3123-1A-6, 3125-1A-20, 3125-1A-6, 3126-1A-20, 3126-1A-6, 3130-1A-20, 3130-1A-6, 3135-1A-20, 3135-1A-6, 3140-1A-20, 3140-1A-6, 3152-1A-6, 3153-1A-6, 3154-1A-6, 3191-1A-6, 3191-1A-20, 3192-1A-6, 3192-1A-20, 3193-1A-20, 3193-1A-6, 3194-1A-20, 3194-1A-6, 3220-1A-20, 3220-1A-6, 3221-1A-20, 3221-1A-6, 3275-1A-20, 3275-1A-6, 3311-1A-20, 3311-1A-6, 3317-1A-20, 3317-1A-6, 3321-1A-20, 3321-1A-6, 3326-1A-20, 3326-1A-6, 3361-1A-20, 3361-1A-6, 3376-1A-20, 3376-1A-6, 3391-1A-20, 3391-1A-6, 3401-1A-20, 3401-1A-6, 3410-1A-20, 3410-1A-6, 3414-1A-20, 3414-1A-6, 3416-1A-20, 3416-1A-6, 3417-1A-20, 3417-1A-6, 3420-1A-20, 3420-1A-6, 3421M-1A-20, 3421M-1A-6, 3423-1A-20, 3423-1A-6, 3425-1A-20, 3425-1A-6, 3430-1A-20, 3430-1A-6, 3430M-1A-20, 3430M-1A-6, 3432-1A-20, 3432-1A-6, 3435-1A-20, 3435-1A-6, 3441-1A-20, 3441-1A-6, 3445-1A-20, 3445-1A-6, 3445M-1A-20, 3445M-1A-6, 3447-1A-20, 3447-1A-6, 3450-1A-20, 3450-1A-6, 3451-1A-20, 3451-1A-6, 3455-1A-20, 3455-1A-6, 3456-1A-20, 3456-1A-6, 3457-1A-20, 3457-1A-6, 3458-1A-20, 3458-1A-6, 3459-1A-20, 3459-1A-6, 3460-1A-20, 3460-1A-6, 3465-1A-20, 3465-1A-6, 3470M-1A-20, 3470M-1A-6, 3471-1A-20, 3471-1A-6, 3475-1A-20, 3475-1A-6, 3480-1A-20, 3480-1A-6, 3484-1A-20, 3484-1A-6, 3486-1A-20, 3486-1A-6, 3486M-1A-20, 3486M-1A-6, 3490-1A-20, 3490-1A-6, 3491-1A-20, 3491-1A-6, 3491M-1A-20, 3491M-1A-6, 3494-1A-20, 3494-1A-6, 3494M-1A-20, 3494M-1A-6, 3496-1A-20, 3496-1A-6, 3496M-1A-20, 3496M-1A-6, 3510-1A-20, 3510-1A-6, 3511-1A-20, 3511-1A-6, 3512-1A-20, 3512-1A-6, 3512M-1A-20, 3512M-1A-6, 3520-1A-20, 3520-1A-6, 3520M-1A-20, 3520M-1A-6, 3521-1A-20, 3521-1A-6, 3522-1A-6, 3522-1A-20, 3523-1A-6, 3523-1A-20, 3530-1A-20, 3530-1A-6, 3540-1A-20, 3540-1A-6, 3550-1A-20, 3550-1A-6, 3560-1A-20, 3560-1A-6, 3560M-1A-20, 3560M-1A-6, 3570-1A-20, 3570-1A-6, 3580-1A-20, 3580-1A-6, 3710-1A-20, 3710-1A-6, 3712-1A-20, 3712-1A-6, 3712M-1A-20, 3712M-1A-6, 3715-1A-20, 3715-1A-6, 3810-1A-20, 3810-1A-6, 3815-1A-6, 3816-1A-6, 3850-1A-6, 3860M-1A-6, 3885-1A-6**

Component	Substance/ Mixture	CAS No.	EC No.	Conc.	Hazard pictogram code	Hazard statements
ELISA Standard Standard reconstitution buffer	N/A	N/A	N/A	N/A	N/A	N/A
Purified coating antibody, Biotinylated detection antibody	Sodium azide	26628-22-8	247-852-1	0.02 %	N/A	Not hazardous at this concentration
Streptavidin-ALP	<b>Kathon CG,</b> contains a mixture of:	55965-84-9				Not hazardous at this concentration
	5-chloro-2-methyl-4- isothiazolin-3-one	26172-55-4	247-500-7	<0.002 %	N/A	
	2-Methyl-4- isothiazolin-3-one	2682-20-4	220-239-6	<0.002 %		

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 Flex (ALP)**  
Component: **Purified coating antibody,  
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**  
**E-mail: [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	<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

**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.**

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- Acute toxicity:  
**No toxic effects.**
- Skin corrosion/irritation:  
**No effects.**
- Eye damage/irritation:  
**No effects.**
- Sensitization to the respiratory tract/skin:

**No effects.**

- 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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## **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.**
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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 Flex (ALP)**  
Component: **Streptavidin-ALP**  
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.**

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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

**Recommended**

b) Hand protection

**Recommended**

c) Skin and body protection

**Recommended**

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	<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.**
- 

## **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.**
- 

## **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**

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**END of SDS**