Safety Data Sheet

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

SDS summary

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

Product code: **3012-1H-20, 3012-1H-6, 3020-1H-20, 3020-1H-6, 3102-1H-20, 3102-1H-6, 3104-1H-20, 3104-1H-6, 3110-1H-20, 3110-1H-6, 3112-1H-20, 3112-1H-6, 3113-1H-20, 3113-1H-6, 3114-1H-20, 3114-1H-6, 3117-1H-20, 3117-1H-6, 3118-1H-20, 3118-1H-6, 3119-1H-20, 3119-1H-6, 3121-1H-20, 3121-1H-6, 3122-1H-20, 3122-1H-6, 3123-1H-20, 3123-1H-6, 3125-1H-20, 3125-1H-6, 3126-1H-20, 3126-1H-6, 3130-1H-20, 3130-1H-6, 3135-1H-20, 3135-1H-6, 3140-1H-20, 3140-1H-6, 3152-1H-6, 3153-1H-6, 3154-1H-6, 3191-1H-6, 3191-1H-20, 3192-1H-6, 3192-1H-20, 3193-1H-6, 3193-1H-20, 3194-1H-20, 3194-1H-6, 3220-1H-6, 3220-1H-20, 3221-1H-20, 3221-1H-6, 3275-1H-20, 3275-1H-6, 3311-1H-20, 3311-1H-6, 3317-1H-20, 3317-1H-6, 3321-1H-20, 3321-1H-6, 3326-1H-20, 3326-1H-6, 3361-1H-20, 3361-1H-6, 3376-1H-20, 3376-1H-6, 3391-1H-20, 3391-1H-6, 3401-1H-20, 3401-1H-6, 3410-1H-20, 3410-1H-6, 3414-1H-20, 3414-1H-6, 3416-1H-20, 3416-1H-6, 3417-1H-20, 3417-1H-6, 3420-1H-20, 3420-1H-6, 3421M-1H-20, 3421M-1H-6, 3423-1H-20, 3423-1H-6, 3425-1H-20, 3425-1H-6, 3430-1H-20, 3430-1H-6, 3430M-1H-20, 3430M-1H-6, 3432-1H-20, 3432-1H-6, 3435-1H-20, 3435-1H-6, 3441-1H-20, 3441-1H-6, 3445-1H-20, 3445-1H-6, 3445M-1H-20, 3445M-1H-6, 3447-1H-20, 3447-1H-6, 3450-1H-20, 3450-1H-6, 3451-1H-20, 3451-1H-6, 3455-1H-20, 3455-1H-6, 3456-1H-20, 3456-1H-6, 3457-1H-20, 3457-1H-6, 3458-1H-20, 3458-1H-6, 3459-1H-20, 3459-1H-6, 3460-1H-20, 3460-1H-6, 3465-1H-20, 3465-1H-6, 3470M-1H-20, 3470M-1H-6, 3471-1H-20, 3471-1H-6, 3475-1H-20, 3475-1H-6, 3480-1H-20, 3480-1H-6, 3484-1H-20, 3484-1H-6, 3486-1H-20, 3486M-1H-6, 3486M-1H-20, 3486-1H-6, 3490-1H-20, 3490-1H-6, 3491-1H-20, 3491-1H-6, 3491M-1H-20, 3491M-1H-6, 3494-1H-20, 3494-1H-6, 3494M-1H-20, 3494M-1H-6, 3496-1H-20, 3496-1H-6, 3496M-1H-20, 3496M-1H-6, 3510-1H-20, 3510-1H-6, 3511-1H-20, 3511-1H-6, 3512-1H-20, 3512-1H-6, 3512M-1H-20, 3512M-1H-6, 3520-1H-20, 3520-1H-6, 3520M-1H-20, 3520M-1H-6, 3521-1H-20, 3521-1H-6, 3530-1H-20, 3522-1H-6, 3522-1H-20, 3523-1H-6, 3523-1H-20, 3530-1H-6, 3540-1H-20, 3540-1H-6, 3550-1H-20, 3550-1H-6, 3560-1H-20, 3560-1H-6, 3560M-1H-20, 3560M-1H-6, 3570-1H-20, 3570-1H-6, 3580-1H-20, 3580-1H-6, 3710-1H-20, 3710-1H-6, 3712-1H-20, 3712-1H-6, 3712M-1H-20, 3712M-1H-6, 3715-1H-20, 3715-1H-6, 3810-1H-20, 3810-1H-6, 3815-1H-6, 3816-1H-6, 3850-1H-6, 3860M-1H-6, 3885-1H-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-HRP	**Kathon CG**, contains a mixture of:	55965-84-9			N/A	Not hazardous at this concentration
	5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	247-500-7	<0.002 %		
	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 (HRP)**
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
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

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.

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

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

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 (sold, 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.

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 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 (HRP)**
Component: **Streptavidin-HRP**
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	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 %	

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.

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

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 (sold, 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
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

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END of SDS