

Safety Data Sheet #: SDS-31-CALPHU-E01

Revision: 1.0 **Last Revised:** 25Nov25

Product # 31-CALPHU-E01

Product Name: Calprotectin ELISA

Hazards classification information for the components below are included in this SDS:

Component(s)	Component Name(s)	Page
STD and CTRL	Standard and Controls	2
CONJ	Conjugate	7
SAMPLEBUF	Sample Buffer	12
WASHBUF	Wash Buffer Conc.	17
UVP	Universal Buffer	22
SUB	TMB-Substrate	27
STOPP	Stop Solution	32

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 19.09.2025 replaces version from: 10.05.2019

1. Identification of the substance/preparation and the company/undertaking

1.1. Product identifier

Product name: Calprotectin ELISA Standard and Controls (STD and CTRL)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Materials for use in the appropriate test kit.

1.3. Details of the supplier of the safety data sheet

Company: American Laboratory Products, Inc.

26-G Keewaydin Drive

Salem, NH 03079

Tel.: 603-893-8914

Fax: 603-898-6854

E-mail: cs@alpc.com

www.alpc.com

1.4. Emergency telephone number in the United States and Canada: 911

2. Hazards identification

2.1. Classification of the mixture (Regulation (EC) No 1272/2008

none

2.2. Label elements (Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Hazard statements

Precautionary statements

P280

P302 + P352

P305 + P351 + P338

P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
26628-22-8	247-852-1	Sodium azide	<0.1	300, 400, 410

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact an ophthalmologist.

If swallowed: Give water to drink (two glass at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed
No information available

4.3. Indication of immediate medical attention and special treatment needed
No information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture

Fire may cause evolution of dangerous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution

Do not empty into drains

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections

For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling

Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

CAS-No.
26628-22-8

Description
Sodium azide

MAK (TRGS 900)
0.2 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

Form	liquid
Color	colorless
Odor	odorless
pH-Value	6.0
Melting point	no information available
Boiling point	100 °C
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	no information available
Lower explosion limit	not explosive
Higher explosion limit	not explosive
Vapor pressure	no information available
Relative density	1,06
Water solubility	complete
Partition coefficient: n-octanol/water	no information available
Auto ignition temperature	no information available
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Explosive properties	not explosive
Oxidizing properties	no information available
Other data	none

10. Stability and reactivity

10.1. Reactivity

no information available

10.2. Chemical stability

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions

Risk of explosion and/or toxic gas formation with the following substances

no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid
Heat, direct sunlight

10.5. Incompatible materials
no information available

10.6. Hazardous decomposition products
no information available

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
Sodium azide	LD ₅₀ (oral)	27 mg/kg	Rat

Skin irritation
Slight irritation

Eye irritation
Slight irritation

CMR effects
No information available

Specific target organ toxicity
No information available

Aspiration hazard
No information available

11.2. Further information
Quantitative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity

Only relevant for the preservative Sodium azide.

Species	Type	Value	Exposition time (h)
Bluegill (<i>Lepomis macrochirus</i>)	LC ₅₀ (mg/l)	0.7	96
Water flea (<i>Daphnia pulex</i>)	EC ₅₀ (mg/l)	4.2	48
Green alga	IC ₅₀ (mg/l)	272	
Photobacterium phosphoreum	EC ₅₀ (mg/l)	38.5	

12.2. Persistence and degradability

Substance	t1/2 anaerobe (h)
Sodium azide	no information available

12.3. Bio accumulative potential
No information available

12.4. Mobility in soil
No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assessment is not required/not conducted.

12.5. Other adverse effects

When using according to the instruction ecological danger is not expected

Danger for drinking water

Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

IATA

IMDG

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulation

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2008

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2 and 3

H300 Fatal when swallowed

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Precautionary statements

P280 Wear protective gloves, protective clothing, eye protection

P302+P352 If on skin: Wash with plenty of soap and water

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 10.05.2019 replaces version from: 19.01.2018

1. Identification of the substance/preparation and the company/undertaking

1.1. Product identifier

Product name: Calprotectin ELISA Conjugate (CONJ)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Materials for use in the appropriate test kit.

1.3. Details of the supplier of the safety data sheet

Company: American Laboratory Products, Inc.

26-G Keewaydin Drive

Salem, NH 03079

Tel.: 603-893-8914

Fax: 603-898-6854

E-mail: cs@alpc.com

www.alpc.com

1.4. Emergency telephone number in the United States and Canada: 911

2. Hazards identification

2.1. Classification of the substance or mixture (Regulation (EC) No 1272/2008
none

2.2. Label elements (Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Hazard statements

Precautionary statements

P280

P302 + P352

P305 + P351 + P338

P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
26172-55-4	247-500-7	5-Chlor-2-methyl-4-isothiazolin-3-on	<0,005	301, 311, 314, 317, 331, 410
2682-20-4	220-239-6	2-Methyl-4-isothiazolin-3-on	<0,001	301, 311, 314, 317, 331, 410
54-64-8	200-210-4	Thimerosal	<0,02	300, 310, 330, 373, 400, 410

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact an ophthalmologist.

If swallowed : Give water to drink (two glass at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed
No information available

4.3. Indication of immediate medical attention and special treatment needed
No information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture

Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution

Do not empty into drains

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections

For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling

Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

CAS-No.	Description	MAK (TRGS 900)
26172-55-4	5-Chlor-2-methyl-4-isothiazolin-3-on	0,05 mg/m ³
2682-20-4	2-Methyl-4-isothiazolin-3-on	0,05 mg/m ³
54-64-8	Thimerosal (Hg containing)	0,02 mg/m ³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

Form	liquid, slightly foaming when shaken
Color	colorless
Odor	characteristic
pH-Value	7,6
Melting point	no information available
Boiling point	100 °C
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	no information available
Lower explosion limit	not explosive
Higher explosion limit	not explosive
Vapor pressure	no information available
Relative density	1,06 g/ml
Water solubility	complete
Partition coefficient: n-octanol/water	no information available
Auto ignition temperature	no information available
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Explosive properties	not explosive
Oxidizing properties	no information available
Other data	none

10. Stability and reactivity

10.1. Reactivity

no information available

10.2. Chemical stability

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions

Risk of explosion and/or toxic gas formation with the following substances
no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid
Heat, direct sunlight

10.5. Incompatible materials
Heavy metal salts, peroxidases, catalases

10.6. Hazardous decomposition products
No information available.

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
5-Chlor-2-methyl-4-isothiazolin-3-on	LD ₅₀ (oral)	3350 mg/kg	Rat
2-Methyl-4-isothiazolin-3-on	LD ₅₀ (oral)	550 mg/kg	Rat
Thimerosal	LD ₅₀ (oral)	75 mg/kg	Rat

Skin irritation
Slight irritation

Eye irritation
Slight irritation

CMR effects
No information available

Specific target organ toxicity
No information available

Aspiration hazard
No information available

11.2. Further information
Quantitative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity

Only relevant for the preservatives 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4-isothiazolin-3-on.

Species	Type	Value	Exposition time (h)
Trout	LC ₅₀ (mg/l)	0,19	
Perch	LC ₅₀ (mg/l)	0,28	
Algae (Skeletonema costatum)	EC ₅₀ (mg/l)	0,003	
Algae (Selenastrum capricornutum)	EC ₅₀ (mg/l)	0,018	
Invertebrate (Daphnia magna)	EC ₅₀ (mg/l)	0,16	

Only relevant for the preservative Thimerosal.

Species	Type	Value	Exposition time (h)
Catfish	LC ₅₀ (mg/l)	7,5	24

12.2. Persistence and degradability

<u>Substance</u>	<u>t1/2 anaerobe (h)</u>
5-Chlor-2-methyl-4-isothiazolin-3-on	4,8
2-Methyl-4-isothiazolin-3-on	9,1
Thimerosal	no information available

12.3. Bio accumulative potential

<u>Substance</u>	<u>Log Pow</u>
Thimerosal	-1,88

Bioaccumulation is not expected because log Pow < 1

No information available for 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4-isothiazolin-3-on.

12.4. Mobility in soil

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assessment is not required/not conducted.

12.5. Other adverse effects

No other effects are known

When using according to the instruction ecological danger is not expected

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

IATA

IMDG

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulation

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2

H300	Fatal when swallowed
H301	Toxic if swallowed
H310	Fatal when skin contact
H311	Toxic in contact with skin

H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H331	Toxic if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements

P280	Wear protective gloves, protective clothing, eye protection
P302+P352	If on skin: Wash with plenty of soap and water
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 22.09.2025 replaces version from: 10.05.2019

1. Identification of the substance/preparation and the company/undertaking

1.1. Product identifier

Product name: Calprotectin ELISA Sample buffer (SAMPLEBUF)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Materials for use in the appropriate test kit.

1.3. Details of the supplier of the safety data sheet

Company: American Laboratory Products, Inc.

26-G Keewaydin Drive

Salem, NH 03079

Tel.: 603-893-8914

Fax: 603-898-6854

E-mail: cs@alpc.com

www.alpc.com

1.4. Emergency telephone number in the United States and Canada: 911

2. Hazards identification

2.1. Classification of the mixture (Regulation (EC) No 1272/2008

none

2.2. Label elements (Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Hazard statements

Precautionary statements

P280

P302 + P352

P305 + P351 + P338

P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
26628-22-8	247-852-1	Sodium azide	<0,1	300, 400, 410

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact an ophthalmologist.

If swallowed: Give water to drink (two glass at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed

No information available

4.3. Indication of immediate medical attention and special treatment needed

No information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture

Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution

Do not empty into drains

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections

For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling

Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

CAS-No.	Description	MAK (TRGS 900)
26628-22-8	Sodium azide	0.02 mg/m ³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

Form	liquid
Color	colorless
Odor	odorless
pH-Value	7.3
Melting point	no information available
Boiling point	100 °C
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	no information available
Lower explosion limit	no information available
Higher explosion limit	no information available
Vapor pressure	no information available
Relative density	1,04
Water solubility	complete
Partition coefficient: n-octanol/water	no information available
Auto ignition temperature	no auto ignition
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Explosive properties	not explosive
Oxidizing properties	no information available

Other data none

10. Stability and reactivity

10.1. Reactivity

no information available

10.2. Chemical stability

The reagent is under normal conditions (20-25 °C) chemical stable.

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions

Risk of explosion and/or toxic gas formation with the following substances

no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid

Heat, direct sunlight

10.5. Incompatible materials

no information available

10.6. Hazardous decomposition products

no information available

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
Sodium azide	LD ₅₀ (oral)	27 mg/kg	Rat

Skin irritation
Slight irritation

Eye irritation
Slight irritation

CMR effects
No information available

Specific target organ toxicity
No information available

Aspiration hazard
No information available

11.2. Further information

Quantitative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity

Only relevant for the preservative Thimerosal.

Species	Type	Value	Exposition time (h)
Sunfish (<i>Lepomis macrochirus</i>)	LC ₅₀ (mg/l)	0,7	96

Daphnia pulex	EC ₅₀ (mg/l)	4,2	48
Green algae	IC ₅₀ (mg/l)	272	
Photobacterium phosphoreum	EC ₅₀ (mg/l)	38,5	

12.2. Persistence and degradability

<u>Substance</u>	<u>t1/2 anaerobe (h)</u>
Sodium azide	no information available

12.3. Bio accumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assessment is not required/not conducted.

12.5. Other adverse effects

When using according to the instruction ecological danger is not expected

Danger for drinking water

Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

IATA

IMDG

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulation

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2

H300 Fatal when swallowed

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Precautionary statements

P280	Wear protective gloves, protective clothing, eye protection
P302+P352	If on skin: Wash with plenty of soap and water
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 22.06.2021 replaces version from 14.07.2020

1. Identification of the substance/preparation and the company/undertaking

1.1. Product identifier

Product name: Calprotectin ELISA wash buffer conc. (WASHBUF)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Materials for use in the appropriate test kit.

1.3. Details of the supplier of the safety data sheet

Company: American Laboratory Products, Inc.

26-G Keewaydin Drive

Salem, NH 03079

Tel.: 603-893-8914

Fax: 603-898-6854

E-mail: cs@alpc.com

www.alpc.com

1.4. Emergency telephone number in the United States and Canada: 911

2. Hazards identification

2.1. Classification of the substance or mixture (Regulation (EC) No 1272/2008

none

2.2. Label elements (Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Hazard statements

Precautionary statements

P280

P302 + P352

P305 + P351 + P338

P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
26172-55-4	247-500-7	5-Chlor-2-methyl-4-isothiazolin-3-on	<0,005	301, 311, 314, 317, 331, 410
2682-20-4	220-239-6	2-Methyl-4-isothiazolin-3-on	<0,002	301, 311, 314, 317, 331, 410

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact an ophthalmologist.

If swallowed: Give water to drink (two glasses at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed

No information available

4.3. Indication of immediate medical attention and special treatment needed

No information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture

Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution

Do not empty into drains

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections

For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling

Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

CAS-No.	Description	MAK (TRGS 900)
26172-55-4	5-Chlor-2-methyl-4-isothiazolin-3-on	0,05 mg/m ³
2682-20-4	2-Methyl-4-isothiazolin-3-on	0,05 mg/m ³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

Form	liquid
Color	light yellow
Odor	odorless
pH-Value	7,2
Melting point	no information available
Boiling point	100 °C
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	no information available
Lower explosion limit	not explosive
Higher explosion limit	not explosive
Vapor pressure	no information available
Relative density	no information available
Water solubility	complete
Partition coefficient: n-octanol/water	no information available
Autoignition temperature	no information available
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Explosive properties	not explosive
Oxidizing properties	no information available
Other data	none

10. Stability and reactivity

10.1. Reactivity

no information available

10.2. Chemical stability

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions

Risk of explosion and/or toxic gas formation with the following substances
no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid

Heat, direct sunlight

10.5. Incompatible materials

Heavy metal salts, peroxidases, catalases

10.6. Hazardous decomposition products

No information available.

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
5-Chlor-2-methyl-4-isothiazolin-3-on	LD ₅₀ (oral)	3350 mg/kg	Rat
2-Methyl-4-isothiazolin-3-on	LD ₅₀ (oral)	550 mg/kg	Rat

Skin irritation
Slight irritation

Eye irritation
Slight irritation

CMR effects
No information available

Specific target organ toxicity
No information available

Aspiration hazard
No information available

11.2. Further information

Quantitative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity

Only relevant for the preservatives 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4-isothiazolin-3-on.

Species	Type	Value	Exposition time (h)
Trout	LC ₅₀ (mg/l)	0,19	
Perch	LC ₅₀ (mg/l)	0,28	
Algae (Skeletonema costatum)	EC ₅₀ (mg/l)	0,003	
Algae (Selenastrum capricornutum)	EC ₅₀ (mg/l)	0,018	
Invertebrate (Daphnia magna)	EC ₅₀ (mg/l)	0,16	

12.2. Persistence and degradability

Substance	t1/2 anaerob (h)
5-Chlor-2-methyl-4-isothiazolin-3-on	4,8
2-Methyl-4-isothiazolin-3-on	9,1

12.3. Bioaccumulative potential
No information available

12.4. Mobility in soil
No information available

12.5. Results of PBT- and vPvB-assessment
A PBT- and vPvB-assessment is not available, as a chemical safety assessment is not required/not conducted.

12.5. Other adverse effects
No other effects are known
When using according to the instruction ecological danger is not expected

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

IATA

IMDG

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulation
This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment
For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2

H301	Toxic if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements

P280	Wear protective gloves, protective clothing, eye protection
P302+P352	If on skin: Wash with plenty of soap and water

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 19.09.2025 replaces version from: 14.06.2019

1. Identification of the substance/preparation and the company/undertaking

1.1. Product identifier

Product name: ELISA Universal buffer (UVP)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Materials for use in the appropriate test kit.

1.3. Details of the supplier of the safety data sheet

Company: American Laboratory Products, Inc.

26-G Keewaydin Drive

Salem, NH 03079

Tel.: 603-893-8914

Fax: 603-898-6854

E-mail: cs@alpc.com

www.alpc.com

1.4. Emergency telephone number in the United States and Canada: 911

2. Hazards identification

2.1. Classification of the mixture (Regulation (EC) No 1272/2008
none

2.2. Label elements (Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Hazard statements

Precautionary statements

P280

P302 + P352

P305 + P351 + P338

P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
26628-22-8	247-852-1	Sodium azide	<0,1	300, 400, 410

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact an ophthalmologist.

If swallowed : Give water to drink (two glass at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed
No information available

4.3. Indication of immediate medical attention and special treatment needed
No information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture

Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution

Do not empty into drains

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections

For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling

Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

CAS-No.	Description	MAK (TRGS 900)
26628-22-8	Sodium azide	0.02 mg/m ³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

Form	liquid
Color	colorless
Odor	odorless
pH-Value	7.3
Melting point	no information available
Boiling point	100 °C
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	no information available
Lower explosion limit	no information available
Higher explosion limit	no information available
Vapor pressure	no information available
Relative density	1,04
Water solubility	complete
Partition coefficient: n-octanol/water	no information available
Auto ignition temperature	no auto ignition
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Explosive properties	not explosive
Oxidizing properties	no information available
Other data	none

10. Stability and reactivity

10.1. Reactivity

no information available

10.2. Chemical stability

The reagent is under normal conditions (20-25 °C) chemical stable.

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions

Risk of explosion and/or toxic gas formation with the following substances
no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid

Heat, direct sunlight

10.5. Incompatible materials

no information available

10.6. Hazardous decomposition products

no information available

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
Sodium azide	LD ₅₀ (oral)	27 mg/kg	Rat

Skin irritation
Slight irritation

Eye irritation
Slight irritation

CMR effects
No information available

Specific target organ toxicity
No information available

Aspiration hazard
No information available

11.2. Further information

Quantitative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity

Only relevant for the preservative Thimerosal.

Species	Type	Value	Exposition time (h)
Sunfish (<i>Lepomis macrochirus</i>)	LC ₅₀ (mg/l)	0,7	96
Daphnia pulex	EC ₅₀ (mg/l)	4,2	48
Green algae	IC ₅₀ (mg/l)	272	
Photobacterium phosphoreum	EC ₅₀ (mg/l)	38,5	

12.2. Persistence and degradability

Substance	t _{1/2} anaerobe (h)
Sodium azide	no information available

12.3. Bio accumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assessment is not required/not conducted.

12.5. Other adverse effects

When using according to the instruction ecological danger is not expected

Danger for drinking water

Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

IATA

IMDG

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulation

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2

H300 Fatal when swallowed

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Precautionary statements

P280 Wear protective gloves, protective clothing, eye protection

P302+P352 If on skin: Wash with plenty of soap and water

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 10.05.2019 replaces version from: 15.02.2018

1. Identification of the substance/preparation and the company/undertaking

1.1. Product identifier

Product name: Calprotectin TMB-Substrate (SUB)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Materials for use in the appropriate test kit.

1.3. Details of the supplier of the safety data sheet

Company: American Laboratory Products, Inc.

26-G Keewaydin Drive

Salem, NH 03079

Tel.: 603-893-8914

Fax: 603-898-6854

E-mail: cs@alpc.com

www.alpc.com

1.4. Emergency telephone number in the United States and Canada: 911

2. Hazards identification

2.1. Classification of the substance or mixture (Regulation (EC) No 1272/2008

none

2.2. Label elements (Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H360D May harm the unborn child

Precautionary statements

P280

P302 + P352

P305 + P351 + P338

P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
872-50-4	212-828-1	N-Methyl-2-pyrrolidon	<5	H315, H319, H360D, H335
54827-17-7	259-364-6	3,3',5,5'-Tetramethylbenzidin	<0,036	315, 319, 335
60-00-4	205-358-3	Ethylendiamintetraacetic-di-sodium-salt	0,093	319
26172-55-4	247-500-7	5-Chlor-2-methyl-4-isothiazolin-3-on	0,00009	301, 311, 314, 317, 331, 410
2682-20-4	220-239-6	2-Methyl-4-isothiazolin-3-on	0,00003	301, 311, 314, 317, 331, 410
7722-84-1	231-765-0	Hydrogenperoxyde	<0,002	302, 318

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact an ophthalmologist.

If swallowed : Give water to drink (two glass at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed

No information available

4.3. Indication of immediate medical attention and special treatment needed

No information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture

Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution

Do not empty into drains

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections

For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling

Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

CAS-No.	Description	MAK (TRGS 900)
872-50-4	N-Methyl-2-pyrrolidon	82 mg/m ³
54827-17-7	3,3',5,5'-Tetramethylbenzidine	not listed
60-00-4	Ethylendiamintetraacetic-di-sodium-salt	not listed
26172-55-4	5-Chlor-2-methyl-4-isothiazolin-3-on	0,05 mg/m ³
2682-20-4	2-Methyl-4-isothiazolin-3-on	0,05 mg/m ³
7722-84-1	Hydrogen peroxide	1,4 mg/m ³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

Form	liquid
Color	colorless
Odor	odorless
pH-Value	3,6-3,8
Melting point	no information available
Boiling point	100 °C
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	no information available
Lower explosion limit	not explosive
Higher explosion limit	not explosive
Vapor pressure	no information available
Relative density	1,003 g/ml
Water solubility	complete
Partition coefficient: n-octanol/water	no information available
Auto ignition temperature	no information available
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Explosive properties	not explosive
Oxidizing properties	no information available
Other data	none

10. Stability and reactivity

10.1. Reactivity

no information available

10.2. Chemical stability

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions

Risk of explosion and/or toxic gas formation with the following substances

no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid

Heat, direct sunlight

10.5. Incompatible materials

Heavy metal salts, peroxidases, catalases

10.6. Hazardous decomposition products

End product of the decomposition is the yellow diammonia ion of tetramethylbenzidine, which is classified as non-dangerous.

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
N-Methyl-2-pyrrolidon	LD ₅₀ (oral)	3598 mg/kg	Rat
	LC ₅₀ (inhalativ)	<5,1 mg/l	Rat
3,3',5,5'-Tetramethylbenzidine	no information available		
Ethylendiamintetraacetic-di-sodium-salt	LD ₅₀ (oral)	2000 mg/kg	Rat
5-Chlor-2-methyl-4-isothiazolin-3-on	LD ₅₀ (oral)	3350 mg/kg	Rat
2-Methyl-4-isothiazolin-3-on	LD ₅₀ (oral)	550 mg/kg	Rat
Hydrogenperoxyd	LD ₅₀ (oral)	1232 mg/kg	Rat
	LD ₅₀ (dermal)	3000 mg/kg	Rabbit

Skin irritation

Slight irritation

Component	Type	Value	Species
N-Methyl-2-pyrrolidon	LD ₅₀ (dermal)	8000 mg/kg	Rabbit

Eye irritation

Slight irritation

CMR effects

No information available

Specific target organ toxicity

May harm the unborn child

Aspiration hazard

No information available

11.2. Further information

Quantitative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity

N-Methyl-2-pyrrolidon.

Spezies	Type	Value	Exposition time (h)
Sonnenbarsch	LC ₅₀ (mg/l/96h)	832	
Goldorfe	LC ₅₀ (mg/l/96h)	>500	
Grünalge	IC ₅₀ (mg/l/72h)	>500	
Wirbellose (Daphnia magna)	EC ₅₀ (mg/l/48h)	4897	

Only relevant for the preservatives 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4-isothiazolin-3-on.

Species	Type	Value	Exposition time (h)
Trout	LC ₅₀ (mg/l)	0,19	
Perch	LC ₅₀ (mg/l)	0,28	
Algae (Skeletonema costatum)	EC ₅₀ (mg/l)	0,003	
Algae (Selenastrum capricornutum)	EC ₅₀ (mg/l)	0,018	
Invertebrate (Daphnia magna)	EC ₅₀ (mg/l)	0,16	

12.2. Persistence and degradability

Substance	t _{1/2} anaerobe (h)
5-Chlor-2-methyl-4-isothiazolin-3-on	4,8
2-Methyl-4-isothiazolin-3-on	9,1

12.3. Bio accumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assessment is not required/not conducted.

12.5. Other adverse effects

No other effects are known

When using according to the instruction ecological danger is not expected

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

IATA

IMDG

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulation

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2

H301	Toxic if swallowed
H302	Harmful when swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Cause skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H360D	May harm the unborn child
H410	Toxic to aquatic life with long lasting effects

Precautionary statements

P280	Wear protective gloves, protective clothing, eye protection
P302+P352	If on skin: Wash with plenty of soap and water
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 19.09.2025 replaces version from: 14.06.2019

1. Identification of the substance/preparation and the company/undertaking

1.1. Product identifier

Product name: Calprotectin ELISA Stop solution (STOPP)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Materials for use in the appropriate test kit.

1.3. Details of the supplier of the safety data sheet

Company: American Laboratory Products, Inc.

26-G Keewaydin Drive

Salem, NH 03079

Tel.: 603-893-8914

Fax: 603-898-6854

E-mail: cs@alpco.com

www.alpco.com

1.4. Emergency telephone number in the United States and Canada: 911

2. Hazards identification

2.1. Classification of the substance or mixture (Regulation (EC) No 1272/2008

Irritant

2.2. Label elements (Regulation (EC) No 1272/2008
Hazard pictograms (reduced labelling <125 ml)



Signal word
Danger

Hazard statements
H290
H314

Precautionary statements
P280
P301+P330+P331
P303+P361+P353
P305+P351+P338
P308+P311

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

CAS-No.	EINECS	Description	Percent	H-codes
7664-93-9	231-639-5	Sulfuric acid	<=15	H290, H314

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact an ophthalmologist.

If swallowed: Give water to drink (two glass at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed

Irritation and corrosion, circulatory collapse.

4.3. Indication of immediate medical attention and special treatment needed

No information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture

Not combustible

Ambient fire may cause hazardous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution

Do not empty into drains

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections

For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling

Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

CAS-No.	Description	MAK (TRGS 900)
7664-93-9	Sulfuric acid	0,1 mg/m ³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

Form	liquid
Color	colorless
Odor	odorless
pH-Value	approx. 1
Melting point	no information available
Boiling point	101 °C
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	not applicable
Lower explosion limit	no information available
Higher explosion limit	no information available
Vapor pressure	no information available
Relative density	1,066 g/cm ³
Water solubility	complete
Partition coefficient: n-octanol/water	no information available
Auto ignition temperature	no information available
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Explosive properties	not explosive
Oxidizing properties	oxidising potential
Other data	none

10. Stability and reactivity

10.1. Reactivity

has a corrosive effect

Oxidising agents

10.2. Chemical stability

The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions

Risk of explosion and/or toxic gas formation with the following substances

no information available

Violent reactions possible with:

Water, alkali metals, alkali compounds, ammonia, alkalines, metals, alkaline earth metals, alkaline earth compounds, metal alloys, acids

No degradation when using according to the specification

10.4. Conditions to avoid

no information available

10.5. Incompatible materials

Tissue, metals, release of hydrogen by reaction with metals

10.6. Hazardous decomposition products

in case of fire: refer to section 5

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
Sulfuric acid	LD ₅₀ (oral)	510 mg/kg	Rat

Skin irritation
Irritation

Eye irritation
Serious irritation

Genotoxicity
Ames test negative

Specific target organ toxicity
No information available

Aspiration hazard
Based on available data the classification criteria are not met

11.2. Further information
Quantitative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity

Species	Type	Value	Exposition time (h)
Invertebrate (Daphnia magna)	EC ₅₀ (mg/l)	29	24

12.2. Persistence and degradability
no information available

12.3. Bio accumulative potential
No information available

12.4. Mobility in soil
No information available

12.5. Results of PBT- and vPvB-assessment
A PBT- and vPvB-assessment is not available, as a chemical safety assessment is not required/not conducted.

12.5. Other adverse effects
Harmful effect due to pH shift
Danger for drinking water
Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID UN 2796 sulfuric acid, 8, II

IATA UN 2796 SULPHURIC ACID, 8, II, Segregation Group: 1 (Acids)

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulation

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2

H290 May be corrosive to metals

H314 Causes severe skin burns and eye damage

Precautionary statements

P280 Wear protective gloves, protective clothing, eye protection, face protection

P301+P330+P331 IF SWALLOWED: rinse mouth. Do not induce vomiting

P303+P361+P353 IF ON SKIN (or hair): take off immediately all contaminated clothing

Rinse skin with water (or shower)

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes

Remove contact lenses, if present and easy to do. Continue rinsing

P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.