

The Safety Data Sheet is usable for:
KAPME01
IGFBP-1 - ELISA

Refer to the instructions for the full list of product components

Single components with dangerous ingredients :

REF	Name	Symbol	Version
E01-01	Stop Solution	- STOP SOLN	1.0
E01-03	Biotin Conjugate	! Ab BIOT	1.0
E01-05	Streptavidin HRP	! SAV HRP	1.0
E01-15	Dilution Buffer	! DIL BUF	1.0
E01-20	Washing Buffer	- WASH SOLN CONC	1.0

Read the MSDS for the component on the following pages.

Not listed single components contain no hazardous substances in concentrations to be declared, a labelling is not required.

1 Identification of substance/mixture and company

1.1 Product identifier

Product form : Mixture
 Product name : Stop Solution **STOP SOLN**
 Catalog # : E01-01 **REF**

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

1.2.1 Relevant identified uses

Use of the substance/mixture : Laboratory reagent, Immunoassays
 Use by professionals

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer

DIAsource ImmunoAssays S.A.
 Rue du Bosquet, 2
 B-1348 Louvain-la-Neuve
 Belgium
 Tel. Nr. +32 (0)10/84.99.11
 E-mail: products.support@diasource.be

1.4 Emergency telephone number

DIAsource (only office hours) : +32 (0)10/84.99.23
 Centre Anti-Poisons (BE) : 070 245 245
 Please refer to your local Anti-Poison Center!

2 Hazards identification

2.1 Classification of the substance or mixture

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2 Label element

Labelling according to Regulation (EC) N° 1272/2008 (CLP)
 Hazard symbol (CLP) : Not classified as hazardous
 Signal word (CLP) : Not classified as hazardous
 Hazard statement (CLP) : Not hazard statement
 Precaution statement (CLP) : Not precaution statement
 Special labelling of certain mixtures : EUH210 Safety data sheet available on request

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sulphuric acid	(CAS-No.) 7664-93-9 (EC-No.) 231-639-5 (EC Index-No.) 016-020-00-8	1 - < 5	Skin Corr. 1A, H314

Name	Product identifier	Specific concentration limits according to Regulation (EC) No. 1272/2008 [CLP]
Sulphuric acid	(CAS-No.) 7664-93-9 (EC-No.) 231-639-5 (EC Index-No.) 016-020-00-8	(5 ≤ C < 15) Eye Irrit. 2, H319 (5 ≤ C < 15) Skin Irrit. 2, H315 (C ≥ 15) Skin Corr. 1A, H314

Full text of H-statements: see section 16

4 First aid measures

4.1 Description of first aid measures

- First-aid measures general : If symptoms persist or in case of doubt, seek medical advice.
- First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of skin reactions, consult a physician.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- First-aid measures after ingestion : IF SWALLOWED: Call a doctor if you feel unwell.

4.2 Most important symptom and effects, both acute and delayed

- Symptoms/effects : No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

5 Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Co-ordinate fire-fighting measures to the fire surroundings.
- Unsuitable extinguishing media : No data available.

5.2 Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : There are no data available on the mixture itself.

5.3 Advice for firefighters

- Firefighting instructions : Prevent firefighting water from entering the environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Wear self-contained respiratory protective device.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothes. This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.
- 6.1.1 For non-emergency personnel : Evacuate unnecessary personnel.
- Emergency procedures : Evacuate unnecessary personnel.
- 6.1.2 For emergency responders : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.
- Protective equipment : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spillage. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling

- Precautions for safe handling : Wear personal protection equipment (refer to section 8). Avoid contact with skin, eyes and clothes. Do not handle until all safety precautions have been read and understood.
- Advice on general occupational hygiene : When using do not eat, drink or smoke. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace

7.2 Conditions for safe storage, including any incompatibilities

- Requirements to be met by storerooms and receptacles : Keep/Store only in original container. Keep container tightly closed.
- Information about storage in one common storage facility : Store away from foodstuffs.
- Further information about storage conditions : Observe instructions for use. Follow the instructions for use on the label.

7.3 Specific end use(s)

Laboratory reagent, Immunoassays

8 Exposure controls/personnel protection

8.1 Control parameters

Following information is available for the substance listed in section 3.2

Substance : Sulphuric acid					
CAS No. : 7664-93-9					
	Limit value - Eight hours		Limit value - Short term		
Country	ppm	mg/m³	ppm	mg/m³	Legal basis
European Union		0.05 (1)(2)			Directive 2009/161/EU

Remarks	
European Union	(1) Thoracic fraction (2) When selecting an appropriate exposure monitoring method, account should be taken of potential limitations and interferences that may arise in the presence of other sulphur compounds. Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see „ https://www.dguv.de/ifa/gestis/gestis-internationale-grenzwerte-fuer-chemische-substanzen-limit-values-for-chemical-agents/bibliography/index.jsp “)

Source: Based on GESTIS International Limit values Database, June 2020

8.2 Exposure controls



Appropriate engineering controls	: No special technical protective measures are necessary. Open windows to ensure natural ventilation.
Hand protection	: Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection	: Wear safety glasses (EN 166).
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection.
Environmental exposure controls	: Avoid release to the environment.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colorless
Odor	: Neutral
Odor threshold	: No data available
Melting point/freezing point	: No data available
Boiling point or initial boiling point and boiling range	: No data available
Flammability	: Non-flammable
Lower and upper explosion limit	: No data available
Flash point	: No data available
Flammability (solid, gaseous)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: No data available
Kinematic viscosity	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (log value)	: Not applicable
Vapour pressure	: No data available
Density and/or relative density	: No data available
Relative vapour density	: No data available
Evaporation rate	: No data available
Solubility in / Miscibility with water	: No data available
Partition coefficient (n-octanol/water)	: No data available
Viscosity	: No data available
Particle size	: Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties : No explosive properties

Oxidising properties : No oxidising properties

9.2.2 Other safety characteristics

No additional information available

10 Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

There are no data available on the mixture itself.

10.5 Incompatible materials

There are no data available on the mixture itself. no restriction.

10.6 Hazardous decomposition products

No hazardous decomposition products.

11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	: Not classified Based on available data, the classification criteria are not met
ATEmix calculated	: ATE (oral) > 2000 mg/kg ATE (dermal) > 2000 mg/kg ATE (inhalation vapour) > 20 mg/l ATE (inhalation dust/mist) > 5 mg/l
Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

11.2 Information on other hazards

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

12 Ecological information

12.1 Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

12.2 Persistence and degradability

Not required for inorganic substances.

12.3 Bioaccumulative potential

Not required for inorganic substances.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No additional information available.

13 Disposal considerations

13.1 Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Do not empty into drains. Dispose of this material and its container in a safe way.
Waste code	: The waste code number according to the Ordinance on the European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer.

14 Transport information

In accordance with ADR / IMDG / IATA

14.1 UN number or ID number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR)	: Not applicable
Transport hazard class(es) (IMDG)	: Not applicable
Transport hazard class(es) (IATA)	: Not applicable

14.4 Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5 Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6 Special precautions for user

Overland transport	: Not applicable
Transport by sea	: Not applicable
Air transport	: Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 Regulatory information

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

15.1.1 EU-Regulations

Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

15.1.2 National regulations

Comply with applicable local regulations.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16 Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Change compared to the previous version : -

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGS	Ausschuss für Gefahrstoffe
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DFG	Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NIOSH	National Institute for Occupational Safety and Health of USA
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety and Health Administration of USA
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
TRGS	Technische Regeln für Gefahrstoffe
UFI	Unique Formula Identifier
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

1 Identification of substance/mixture and company

1.1 Product identifier

Product form : Mixture
 Product name : Biotin Conjugate **Ab BIOT**
 Catalog # : E01-03 **REF**

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

1.2.1 Relevant identified uses

Use of the substance/mixture : Laboratory reagent, Immunoassays
 Use by professionals

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone number

DIAsource (only office hours) : +32 (0)10/84.99.23

Centre Anti-Poisons (BE) : 070 245 245

Please refer to your local Anti-Poison Center!

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 (CLP)

Skin sensitization, category 1 H317 May cause an allergic skin reaction.

(Full test of H-statements: see section16)

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage

2.2 Label element

Labelling according to Regulation (EC) N° 1272/2008 (CLP)

Hazard components for labelling : 2-methylisothiazol-3(2H)-one
 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Hazard symbol (CLP) :



Signal word (CLP) : Warning

Hazard statement (CLP) : H317 May cause an allergic skin reaction

Precaution statement (CLP) : P101 If medical advice is needed, have product container or label at hand
 P102 Keep out of reach of children
 P103 Read carefully and follow all instructions
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray
 P272 Contaminated work clothing should not be allowed out of the workplace
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection
 P302+P352 IF ON SKIN: Wash with plenty of Water
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention
 P362+P364 Take off contaminated clothing and wash it before reuse
 P501 Dispose of contents/container to in accordance with national regulations on disposal

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-methylisothiazol-3(2H)-one	(CAS N°) 2682-20-4 (EC N°) 220-239-6 (EC Index N°) 613-326-00-9	≤ 0,01	Acute Tox. 2, H330 Acute Tox. 3, H311 Acute Tox. 3, H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one (3:1)	(CAS N°) 55965-84-9 (EC N°) - (EC Index N°) 613-167-00-5	≤ 0,0015	Acute Tox. 2, H330 Acute Tox. 2, H310 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071

Name	Product identifier	Specific concentration limits according to Regulation (EC) No. 1272/2008 [CLP]
2-methylisothiazol-3(2H)-one	(CAS N°) 2682-20-4 (EC N°) 220-239-6 (EC Index N°) 613-326-00-9	(C ≥ 0,0015) Skin Sens. 1A, H317 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one (3:1)	(CAS N°) 55965-84-9 (EC N°) - (EC Index N°) 613-167-00-5	(C ≥ 0,6) Skin Corr. 1B, H314 (0,06 ≤ C < 0,6) Skin Irrit. 2, H315 (0,06 ≤ C < 0,6) Eye Irrit. 2, H319 (C ≥ 0,0015) Skin Sens. 1A, H317

Full text of H-statements: see section 16

4 First aid measures

4.1 Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
- First-aid measures after inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of skin reactions, consult a physician.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- First-aid measures after ingestion : IF SWALLOWED: Call a doctor if you feel unwell.

4.2 Most important symptom and effects, both acute and delayed

Symptoms/effects : May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Co-ordinate fire-fighting measures to the fire surroundings.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : There are no data available on the mixture itself.

5.3 Advice for firefighters

- Firefighting instructions : Prevent firefighting water from entering the environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothes. This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.
- 6.1.1 For non-emergency personnel
- Emergency procedures : Evacuate unnecessary personnel.
- 6.1.2 For emergency responders
- Protective equipment : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spillage. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Disposal: see section 13.

7 Handling and storage

7.1 Precautions for safe handling

- Precautions for safe handling : Wear personal protection equipment (refer to section 8). Avoid contact with skin, eyes and clothes. Do not handle until all safety precautions have been read and understood
- Hygiene measures : When using do not eat, drink or smoke. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep/Store only in original container. Keep container tightly closed.
Observe instructions for use. Follow the instructions for use on the label.
- Prohibitions on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Incompatible materials : No additional information available.

7.3 Specific end use(s)

Laboratory reagent, Immunoassays

8 Exposure controls/personnel protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls



- Appropriate engineering controls : No special technical protective measures are necessary. Open windows to ensure natural ventilation.
- Hand protection : Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection : Wear safety glasses (EN 166).
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection.
- Environmental exposure controls : Avoid release to the environment.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state : Liquid
- Odor : Neutral
- Melting point/freezing point : No data available
- Boiling point or initial boiling point and boiling range : No data available
- Flammability : Non-flammable

Lower and upper explosion limit	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: No data available
Kinematic viscosity	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (log value)	: Not applicable
Vapour pressure	: No data available
Density and/or relative density	: No data available
Relative vapour density	: No data available
Particle size	: Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties	: No explosive properties
Oxidising properties	: No oxidising properties

9.2.2 Other safety characteristics

No additional information available

10 Stability and reactivity

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

There are no data available on the mixture itself.

10.5 Incompatible materials

There are no data available on the mixture itself. no restriction.

10.6 Hazardous decomposition products

No hazardous decomposition products.

11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	: Not classified
	Based on available data, the classification criteria are not met
ATEmix calculated	: ATE (oral) > 2000 mg/kg
	ATE (dermal) > 2000 mg/kg
	ATE (inhalation vapour) > 20 mg/l
	ATE (inhalation dust/mist) > 5 mg/l

Substance : 2-methylisothiazol-3(2H)-one				
CAS No. : 2682-20-4				
Exposure route	Dose	Species	Source	Method
Oral	ATE 100 mg/kg			
Dermal	ATE 300 mg/kg			
Inhalation vapour	ATE 0.5 mg/l			
Inhalation dust/mist	ATE 0.05 mg/l			
Substance : reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)				
CAS No. : 55965-84-9				
Exposure route	Dose	Species	Source	Method
Oral	ATE 100 mg/kg			
Dermal	ATE 50 mg/kg			
Inhalation vapour	ATE 0.5 mg/l			
Inhalation dust/mist	ATE 0.05 mg/l			

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: May cause an allergic skin reaction. (2-methylisothiazol-3(2H)-one; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

11.2 Information on other hazards

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

12 Ecological information

12.1 Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

12.2 Persistence and degradability

Not required for inorganic substances.

12.3 Bioaccumulative potential

Not required for inorganic substances.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No additional information available.

13 Disposal considerations

13.1 Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Do not empty into drains. Dispose of this material and its container in a safe way.
Waste code	: The waste code number according to the Ordinance on the European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer.

14 Transport information

In accordance with ADR / IMDG / IATA

14.1 UN number or ID number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR) : Not applicable
 Transport hazard class(es) (IMDG) : Not applicable
 Transport hazard class(es) (IATA) : Not applicable

14.4 Packing group

Packing group (ADR) : Not applicable
 Packing group (IMDG) : Not applicable
 Packing group (IATA) : Not applicable

14.5 Environmental hazards

Dangerous for the environment : No
 Marine pollutant : No
 Other information : No supplementary information available

14.6 Special precautions for user

Overland transport : Not applicable
 Transport by sea : Not applicable
 Air transport : Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 Regulatory information

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

15.1.1 EU-Regulations

Contains no substance on the REACH candidate list.
 Contains no REACH Annex XIV substances.

15.1.2 National regulations

Comply with applicable local regulations.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16 Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Change compared to the previous version : -

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier

vPvB	Very Persistent and Very Bioaccumulative
Full text of H- and EUH-phrases:	
Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Acute aquatic hazard, Category 1
Aquatic Chronic 1	Chronic aquatic hazard, Category 1
Skin Corr. 1B	Skin Corrosion, Category 1B
Eye Dam. 1	Eye damage, Category 1
Skin Irrit. 2	Skin Irritation, Category 2
Skin Sens. 1A	Skin Sensitization, Category 1A
Eye Irrit. 2	Eye Irritation, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH071	Corrosive to the respiratory tract

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

1 Identification of substance/mixture and company

1.1 Product identifier

Product form : Mixture
Product name : Streptavidin HRP **SAV|HRP**
Catalog # : E01-05 **REF**

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

1.2.1 Relevant identified uses

Use of the substance/mixture : Laboratory reagent, Immunoassays
Use by professionals

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer

DIAsource ImmunoAssays S.A.
Rue du Bosquet, 2
B-1348 Louvain-la-Neuve
Belgium
Tel. Nr. +32 (0)10/84.99.11
E-mail: products.support@diasource.be

1.4 Emergency telephone number

DIAsource (only office hours) : +32 (0)10/84.99.23
Centre Anti-Poisons (BE) : 070 245 245
Please refer to your local Anti-Poison Center!

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 (CLP)
Skin sensitization, category 1 H317 May cause an allergic skin reaction.
(Full test of H-statements: see section16)

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage

2.2 Label element

Labelling according to Regulation (EC) N° 1272/2008 (CLP)

Hazard components for labelling : 2-methylisothiazol-3(2H)-one
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Hazard symbol (CLP) :



Signal word (CLP) : Warning

Hazard statement (CLP) : H317 May cause an allergic skin reaction

Precaution statement (CLP) : P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P103 Read carefully and follow all instructions
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection
P302+P352 IF ON SKIN: Wash with plenty of Water
P333+P313 If skin irritation or rash occurs: Get medical advice/attention
P362+P364 Take off contaminated clothing and wash it before reuse
P501 Dispose of contents/container to in accordance with national regulations on disposal

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-methylisothiazol-3(2H)-one	(CAS N°) 2682-20-4 (EC N°) 220-239-6 (EC Index N°) 613-326-00-9	≤ 0,01	Acute Tox. 2, H330 Acute Tox. 3, H311 Acute Tox. 3, H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one (3:1)	(CAS N°) 55965-84-9 (EC N°) - (EC Index N°) 613-167-00-5	≤ 0,0015	Acute Tox. 2, H330 Acute Tox. 2, H310 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071

Name	Product identifier	Specific concentration limits according to Regulation (EC) No. 1272/2008 [CLP]
2-methylisothiazol-3(2H)-one	(CAS N°) 2682-20-4 (EC N°) 220-239-6 (EC Index N°) 613-326-00-9	(C ≥ 0,0015) Skin Sens. 1A, H317 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one (3:1)	(CAS N°) 55965-84-9 (EC N°) - (EC Index N°) 613-167-00-5	(C ≥ 0,6) Skin Corr. 1B, H314 (0,06 ≤ C < 0,6) Skin Irrit. 2, H315 (0,06 ≤ C < 0,6) Eye Irrit. 2, H319 (C ≥ 0,0015) Skin Sens. 1A, H317

Full text of H-statements: see section 16

4 First aid measures

4.1 Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
- First-aid measures after inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of skin reactions, consult a physician.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- First-aid measures after ingestion : IF SWALLOWED: Call a doctor if you feel unwell.

4.2 Most important symptom and effects, both acute and delayed

Symptoms/effects : May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Co-ordinate fire-fighting measures to the fire surroundings.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : There are no data available on the mixture itself.

5.3 Advice for firefighters

- Firefighting instructions : Prevent firefighting water from entering the environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothes. This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

6.1.1 For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2 For emergency responders

- Protective equipment : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spillage. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Disposal: see section 13.

7 Handling and storage

7.1 Precautions for safe handling

- Precautions for safe handling : Wear personal protection equipment (refer to section 8). Avoid contact with skin, eyes and clothes. Do not handle until all safety precautions have been read and understood
- Hygiene measures : When using do not eat, drink or smoke. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep/Store only in original container. Keep container tightly closed.
Observe instructions for use. Follow the instructions for use on the label.
- Prohibitions on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Incompatible materials : No additional information available.

7.3 Specific end use(s)

Laboratory reagent, Immunoassays

8 Exposure controls/personnel protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls



- Appropriate engineering controls : No special technical protective measures are necessary. Open windows to ensure natural ventilation.
- Hand protection : Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection : Wear safety glasses (EN 166).
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection.
- Environmental exposure controls : Avoid release to the environment.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state : Liquid
- Odor : Neutral
- Melting point/freezing point : No data available
- Boiling point or initial boiling point and boiling range : No data available
- Flammability : Non-flammable

Lower and upper explosion limit	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: No data available
Kinematic viscosity	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (log value)	: Not applicable
Vapour pressure	: No data available
Density and/or relative density	: No data available
Relative vapour density	: No data available
Particle size	: Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties	: No explosive properties
Oxidising properties	: No oxidising properties

9.2.2 Other safety characteristics

No additional information available

10 Stability and reactivity

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

There are no data available on the mixture itself.

10.5 Incompatible materials

There are no data available on the mixture itself. no restriction.

10.6 Hazardous decomposition products

No hazardous decomposition products.

11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	: Not classified
	Based on available data, the classification criteria are not met
ATEmix calculated	: ATE (oral) > 2000 mg/kg
	ATE (dermal) > 2000 mg/kg
	ATE (inhalation vapour) > 20 mg/l
	ATE (inhalation dust/mist) > 5 mg/l

Substance : 2-methylisothiazol-3(2H)-one				
CAS No. : 2682-20-4				
Exposure route	Dose	Species	Source	Method
Oral	ATE 100 mg/kg			
Dermal	ATE 300 mg/kg			
Inhalation vapour	ATE 0.5 mg/l			
Inhalation dust/mist	ATE 0.05 mg/l			
Substance : reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)				
CAS No. : 55965-84-9				
Exposure route	Dose	Species	Source	Method
Oral	ATE 100 mg/kg			
Dermal	ATE 50 mg/kg			
Inhalation vapour	ATE 0.5 mg/l			
Inhalation dust/mist	ATE 0.05 mg/l			

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: May cause an allergic skin reaction. (2-methylisothiazol-3(2H)-one; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

11.2 Information on other hazards

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

12 Ecological information

12.1 Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

12.2 Persistence and degradability

Not required for inorganic substances.

12.3 Bioaccumulative potential

Not required for inorganic substances.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No additional information available.

13 Disposal considerations

13.1 Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Do not empty into drains. Dispose of this material and its container in a safe way.
Waste code	: The waste code number according to the Ordinance on the European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer.

14 Transport information

In accordance with ADR / IMDG / IATA

14.1 UN number or ID number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR) : Not applicable
Transport hazard class(es) (IMDG) : Not applicable
Transport hazard class(es) (IATA) : Not applicable

14.4 Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5 Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6 Special precautions for user

Overland transport : Not applicable
Transport by sea : Not applicable
Air transport : Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1 EU-Regulations

Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

15.1.2 National regulations

Comply with applicable local regulations.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16 Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Change compared to the previous version : -

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier

vPvB	Very Persistent and Very Bioaccumulative
Full text of H- and EUH-phrases:	
Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Acute aquatic hazard, Category 1
Aquatic Chronic 1	Chronic aquatic hazard, Category 1
Skin Corr. 1B	Skin Corrosion, Category 1B
Eye Dam. 1	Eye damage, Category 1
Skin Irrit. 2	Skin Irritation, Category 2
Skin Sens. 1A	Skin Sensitization, Category 1A
Eye Irrit. 2	Eye Irritation, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH071	Corrosive to the respiratory tract

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

1 Identification of substance/mixture and company

1.1 Product identifier

Product form : Mixture
 Product name : Dilution Buffer **DIL|BUF**
 Catalog # : E01-15 **REF**

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

1.2.1 Relevant identified uses

Use of the substance/mixture : Laboratory reagent, Immunoassays
 Use by professionals

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone number

DIAsource (only office hours) : +32 (0)10/84.99.23

Centre Anti-Poisons (BE) : 070 245 245

Please refer to your local Anti-Poison Center!

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 (CLP)

Skin sensitization, category 1 H317 May cause an allergic skin reaction.

(Full test of H-statements: see section16)

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage

2.2 Label element

Labelling according to Regulation (EC) N° 1272/2008 (CLP)

Hazard components for labelling : 2-methylisothiazol-3(2H)-one
 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Hazard symbol (CLP) :



Signal word (CLP) : Warning

Hazard statement (CLP) : H317 May cause an allergic skin reaction

Precaution statement (CLP) : P101 If medical advice is needed, have product container or label at hand
 P102 Keep out of reach of children
 P103 Read carefully and follow all instructions
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray
 P272 Contaminated work clothing should not be allowed out of the workplace
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection
 P302+P352 IF ON SKIN: Wash with plenty of Water
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention
 P362+P364 Take off contaminated clothing and wash it before reuse
 P501 Dispose of contents/container to in accordance with national regulations on disposal

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-methylisothiazol-3(2H)-one	(CAS N°) 2682-20-4 (EC N°) 220-239-6 (EC Index N°) 613-326-00-9	≤ 0,01	Acute Tox. 2, H330 Acute Tox. 3, H311 Acute Tox. 3, H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one (3:1)	(CAS N°) 55965-84-9 (EC N°) - (EC Index N°) 613-167-00-5	≤ 0,0015	Acute Tox. 2, H330 Acute Tox. 2, H310 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071

Name	Product identifier	Specific concentration limits according to Regulation (EC) No. 1272/2008 [CLP]
2-methylisothiazol-3(2H)-one	(CAS N°) 2682-20-4 (EC N°) 220-239-6 (EC Index N°) 613-326-00-9	(C ≥ 0,0015) Skin Sens. 1A, H317 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one (3:1)	(CAS N°) 55965-84-9 (EC N°) - (EC Index N°) 613-167-00-5	(C ≥ 0,6) Skin Corr. 1B, H314 (0,06 ≤ C < 0,6) Skin Irrit. 2, H315 (0,06 ≤ C < 0,6) Eye Irrit. 2, H319 (C ≥ 0,0015) Skin Sens. 1A, H317

Full text of H-statements: see section 16

4 First aid measures

4.1 Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
- First-aid measures after inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of skin reactions, consult a physician.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- First-aid measures after ingestion : IF SWALLOWED: Call a doctor if you feel unwell.

4.2 Most important symptom and effects, both acute and delayed

Symptoms/effects : May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Co-ordinate fire-fighting measures to the fire surroundings.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : There are no data available on the mixture itself.

5.3 Advice for firefighters

- Firefighting instructions : Prevent firefighting water from entering the environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothes. This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.
- 6.1.1 For non-emergency personnel
- Emergency procedures : Evacuate unnecessary personnel.
- 6.1.2 For emergency responders
- Protective equipment : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spillage. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Disposal: see section 13.

7 Handling and storage

7.1 Precautions for safe handling

- Precautions for safe handling : Wear personal protection equipment (refer to section 8). Avoid contact with skin, eyes and clothes. Do not handle until all safety precautions have been read and understood
- Hygiene measures : When using do not eat, drink or smoke. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep/Store only in original container. Keep container tightly closed.
Observe instructions for use. Follow the instructions for use on the label.
- Prohibitions on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Incompatible materials : No additional information available.

7.3 Specific end use(s)

Laboratory reagent, Immunoassays

8 Exposure controls/personnel protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls



- Appropriate engineering controls : No special technical protective measures are necessary. Open windows to ensure natural ventilation.
- Hand protection : Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection : Wear safety glasses (EN 166).
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection.
- Environmental exposure controls : Avoid release to the environment.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state : Liquid
- Odor : Neutral
- Melting point/freezing point : No data available
- Boiling point or initial boiling point and boiling range : No data available
- Flammability : Non-flammable

Lower and upper explosion limit	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
pH	: No data available
Kinematic viscosity	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (log value)	: Not applicable
Vapour pressure	: No data available
Density and/or relative density	: No data available
Relative vapour density	: No data available
Particle size	: Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties	: No explosive properties
Oxidising properties	: No oxidising properties

9.2.2 Other safety characteristics

No additional information available

10 Stability and reactivity

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

There are no data available on the mixture itself.

10.5 Incompatible materials

There are no data available on the mixture itself. no restriction.

10.6 Hazardous decomposition products

No hazardous decomposition products.

11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	: Not classified
	Based on available data, the classification criteria are not met
ATEmix calculated	: ATE (oral) > 2000 mg/kg
	ATE (dermal) > 2000 mg/kg
	ATE (inhalation vapour) > 20 mg/l
	ATE (inhalation dust/mist) > 5 mg/l

Substance : 2-methylisothiazol-3(2H)-one				
CAS No. : 2682-20-4				
Exposure route	Dose	Species	Source	Method
Oral	ATE 100 mg/kg			
Dermal	ATE 300 mg/kg			
Inhalation vapour	ATE 0.5 mg/l			
Inhalation dust/mist	ATE 0.05 mg/l			
Substance : reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)				
CAS No. : 55965-84-9				
Exposure route	Dose	Species	Source	Method
Oral	ATE 100 mg/kg			
Dermal	ATE 50 mg/kg			
Inhalation vapour	ATE 0.5 mg/l			
Inhalation dust/mist	ATE 0.05 mg/l			

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: May cause an allergic skin reaction. (2-methylisothiazol-3(2H)-one; reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

11.2 Information on other hazards

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

12 Ecological information

12.1 Toxicity

Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Not classified

12.2 Persistence and degradability

Not required for inorganic substances.

12.3 Bioaccumulative potential

Not required for inorganic substances.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No additional information available.

13 Disposal considerations

13.1 Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods : Do not empty into drains. Dispose of this material and its container in a safe way.
Waste code : The waste code number according to the Ordinance on the European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer.

14 Transport information

In accordance with ADR / IMDG / IATA

14.1 UN number or ID number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR) : Not applicable
 Transport hazard class(es) (IMDG) : Not applicable
 Transport hazard class(es) (IATA) : Not applicable

14.4 Packing group

Packing group (ADR) : Not applicable
 Packing group (IMDG) : Not applicable
 Packing group (IATA) : Not applicable

14.5 Environmental hazards

Dangerous for the environment : No
 Marine pollutant : No
 Other information : No supplementary information available

14.6 Special precautions for user

Overland transport : Not applicable
 Transport by sea : Not applicable
 Air transport : Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 Regulatory information

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

15.1.1 EU-Regulations

Contains no substance on the REACH candidate list.
 Contains no REACH Annex XIV substances.

15.1.2 National regulations

Comply with applicable local regulations.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16 Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Change compared to the previous version : -

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier

vPvB	Very Persistent and Very Bioaccumulative
Full text of H- and EUH-phrases:	
Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Acute aquatic hazard, Category 1
Aquatic Chronic 1	Chronic aquatic hazard, Category 1
Skin Corr. 1B	Skin Corrosion, Category 1B
Eye Dam. 1	Eye damage, Category 1
Skin Irrit. 2	Skin Irritation, Category 2
Skin Sens. 1A	Skin Sensitization, Category 1A
Eye Irrit. 2	Eye Irritation, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH071	Corrosive to the respiratory tract

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

1 Identification of substance/mixture and company

1.1 Product identifier

Product form : Mixture
 Product name : Washing Buffer **WASH|SOLN|CONC**
 Catalog # : E01-20 **REF**

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

1.2.1 Relevant identified uses

Use of the substance/mixture : Laboratory reagent, Immunoassays
 Use by professionals

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer

DIAsource ImmunoAssays S.A.

Rue du Bosquet, 2

B-1348 Louvain-la-Neuve

Belgium

Tel. Nr. +32 (0)10/84.99.11

E-mail: products.support@diasource.be

1.4 Emergency telephone number

DIAsource (only office hours) : +32 (0)10/84.99.23

Centre Anti-Poisons (BE) : 070 245 245

Please refer to your local Anti-Poison Center!

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 (CLP)

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2 Label element

Labelling according to Regulation (EC) N° 1272/2008 (CLP)

Hazard symbol (CLP) : Not classified as hazardous

Signal word (CLP) : Not classified as hazardous

Hazard statement (CLP) : Not hazard statement

Precaution statement (CLP) : Not precaution statement

Special labelling of certain mixtures : EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction
 EUH210 Safety data sheet available on request

2.3 Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3 Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one (3:1)	(CAS N°) 55965-84-9 (EC N°) - (EC Index N°) 613-167-00-5	< 0,0015	Acute Tox. 2, H330 Acute Tox. 2, H310 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071

Name	Product identifier	Specific concentration limits according to Regulation (EC) No. 1272/2008 [CLP]
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one (3:1	(CAS N°) 55965-84-9 (EC N°) - (EC Index N°) 613-167-00-5	(C ≥ 0,6) Skin Corr. 1B, H314 (0,06 ≤ C < 0,6) Skin Irrit. 2, H315 (0,06 ≤ C < 0,6) Eye Irrit. 2, H319 (C ≥ 0,0015) Skin Sens. 1A, H317

Full text of H-statements: see section 16

4 First aid measures

4.1 Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
- First-aid measures after inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.
- First-aid measures after skin contact : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of skin reactions, consult a physician.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
- First-aid measures after ingestion : IF SWALLOWED: Call a doctor if you feel unwell.

4.2 Most important symptom and effects, both acute and delayed

- Symptoms/effects : May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Co-ordinate fire-fighting measures to the fire surroundings.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : There are no data available on the mixture itself.

5.3 Advice for firefighters

- Firefighting instructions : Prevent firefighting water from entering the environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin, eyes and clothes. This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.
- 6.1.1 For non-emergency personnel : Evacuate unnecessary personnel.
- Emergency procedures : Evacuate unnecessary personnel.
- 6.1.2 For emergency responders : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.
- Protective equipment : Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spillage. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Disposal: see section 13.

7 Handling and storage

7.1 Precautions for safe handling

- Precautions for safe handling : Wear personal protection equipment (refer to section 8). Avoid contact with skin, eyes and clothes. Do not handle until all safety precautions have been read and understood
- Hygiene measures : When using do not eat, drink or smoke. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep/Store only in original container. Keep container tightly closed.
Observe instructions for use. Follow the instructions for use on the label.
- Prohibitions on mixed storage : Keep away from food, drink and animal feeding stuffs.
- Incompatible materials : No additional information available.

7.3 Specific end use(s)

Laboratory reagent, Immunoassays

8 Exposure controls/personnel protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls



- Appropriate engineering controls : No special technical protective measures are necessary. Open windows to ensure natural ventilation.
- Hand protection : Wear suitable gloves (EN 374). Nitrile rubber, 0.35 mm. Butyl rubber, 0.5 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection : Wear safety glasses (EN 166).
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection.
- Environmental exposure controls : Avoid release to the environment.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state : Liquid
- Color : Colorless
- Odor : Neutral
- Melting point/freezing point : No data available
- Boiling point or initial boiling point and boiling range : No data available
- Flammability : Non-flammable
- Lower and upper explosion limit : No data available
- Flash point : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- pH : No data available
- Kinematic viscosity : No data available
- Solubility : No data available
- Partition coefficient n-octanol/water (log value) : Not applicable
- Vapour pressure : No data available
- Density and/or relative density : No data available
- Relative vapour density : No data available
- Particle size : Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

- Explosive properties : No explosive properties
- Oxidising properties : No oxidising properties

9.2.2 Other safety characteristics

No additional information available

10 Stability and reactivity

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

There are no data available on the mixture itself.

10.5 Incompatible materials

There are no data available on the mixture itself. no restriction.

10.6 Hazardous decomposition products

No hazardous decomposition products.

11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	: Not classified
	Based on available data, the classification criteria are not met
ATEmix calculated	: ATE (oral) > 2000 mg/kg
	ATE (dermal) > 2000 mg/kg
	ATE (inhalation vapour) > 20 mg/l
	ATE (inhalation dust/mist) > 5 mg/l

Substance : reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)				
CAS No. : 55965-84-9				
Exposure route	Dose	Species	Source	Method
Oral	ATE 100 mg/kg			
Dermal	ATE 50 mg/kg			
Inhalation vapour	ATE 0.5 mg/l			
Inhalation dust/mist	ATE 0.05 mg/l			

Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: May cause an allergic skin reaction(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified
	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met

11.2 Information on other hazards

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met
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12 Ecological information

12.1 Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

12.2 Persistence and degradability

Not required for inorganic substances.

12.3 Bioaccumulative potential

Not required for inorganic substances.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No additional information available.

13 Disposal considerations

13.1 Waste treatment methods

Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods	: Do not empty into drains. Dispose of this material and its container in a safe way.
Waste code	: The waste code number according to the Ordinance on the European Waste Catalogue depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer.

14 Transport information

In accordance with ADR / IMDG / IATA

14.1 UN number or ID number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable

14.2 UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR)	: Not applicable
Transport hazard class(es) (IMDG)	: Not applicable
Transport hazard class(es) (IATA)	: Not applicable

14.4 Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5 Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6 Special precautions for user

Overland transport	: Not applicable
Transport by sea	: Not applicable
Air transport	: Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

15 Regulatory information

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

15.1.1 EU-Regulations

Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

15.1.2 National regulations

Comply with applicable local regulations.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16 Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Change compared to the previous version : -

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
LOAEL	Lowest Observed Adverse Effect Level
NOAEC/L	No Observed Adverse Effect Concentration/Level
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
UFI	Unique Formula Identifier
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Acute Tox. 2	Acute toxicity, Category 2
Acute Tox. 3	Acute toxicity, Category 3
Aquatic Acute 1	Acute aquatic hazard, Category 1
Aquatic Chronic 1	Chronic aquatic hazard, Category 1
Skin Corr. 1C	Skin Corrosion, Category 1C
Eye Dam. 1	Eye damage, Category 1
Skin Sens. 1A	Skin Sensitization, Category 1A
Eye Irrit. 2	Eye Irritation, Category 2
H301	Toxic if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH071	Corrosive to the respiratory tract
EUH208	Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.