



mAbXmise

SAFETY DATA SHEET

COVER PAGE

REFERENCE	NAME
IADA1	Anti-drug antibodies quantification Kit multiplex ANTI-Infliximab & ANTI-Adalimumab

COMPONENTS
Calibrators (CAL) and Quality Controls (QC)
CutXmise
Digestion buffer
Elution buffer
IADA1 revelator
mAbXmise plate IADA1
Stop digestion buffer
Wash buffer 1
Wash buffer 2

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SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Name : Calibrators (CAL) and Quality Controls (QC)

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Calibrators are used to establish the calibration curve required for the quantification
Quality control sample is used to control the validity of the calibration curve required for the quantification

1.4. Supplier's details

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1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified
Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

No labelling applicable

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None to our knowledge

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Calibrators (CAL) and Quality Controls (QC)

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9	0.0005 – 0.00125	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	(0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317 (0.06 ≤ C < 0.6) Eye Irrit. 2; H319 (0.06 ≤ C < 0.6) Skin Irrit. 2; H315 (0.6 ≤ C ≤ 100) Eye Dam. 1; H318 (0.6 ≤ C ≤ 100) Skin Corr. 1C; H314

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. Get medical advice and attention if you feel unwell.
- First-aid measures after skin contact : Wash with soapy water. If irritation persists, consult a doctor.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

4.2. Most important symptoms/effects, acute and delayed

- Symptoms/effects after skin contact : Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam.
- Unsuitable extinguishing media : High volume water jet.

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective actions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

Calibrators (CAL) and Quality Controls (QC)

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure that there is a suitable ventilation system. Avoid contact with skin.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Liquid spill: take up in sand, earth, vermiculite.

Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.

Other information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure that there is a suitable ventilation system. Avoid contact with skin.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. If on skin, take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Store in tightly closed containers.

Incompatible materials : Oxidizer. Amines. Reducing agents. mercaptan.

Heat and ignition sources : Keep away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure that there is a suitable ventilation system.

Environmental exposure controls : Avoid discharge of the product as is into the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves. (ISO 374-1). Breakthrough time : refer to the recommendations of the supplier

Eye protection : Safety glasses. (ISO 16321-1)

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use

8.4. Exposure limit values for the other components

No additional information available

Calibrators (CAL) and Quality Controls (QC)

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellowish.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Solubility	: Not available
Particle size	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties	: Not explosive
Oxidising properties	: Non oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

Oxidizer. Amines. Reducing agents. mercaptan.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
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Calibrators (CAL) and Quality Controls (QC)

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
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) Repeated or prolonged contact may cause allergic reactions in very susceptible persons
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-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)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met).
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met).

12.2. Persistence and degradability

Calibrators (CAL) and Quality Controls (QC)

Persistence and degradability	No data available.
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12.3. Bioaccumulative potential

Calibrators (CAL) and Quality Controls (QC)

Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

Calibrators (CAL) and Quality Controls (QC)

Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone	: Not classified (Based on available data, the classification criteria are not met)
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		

Calibrators (CAL) and Quality Controls (QC)

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

UN RTDG	IMDG	IATA
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 04-02-2025

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
UN RTDG - United Nations Recommendations on the Transport of Dangerous Goods

Full text of H-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A

Calibrators (CAL) and Quality Controls (QC)

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Full text of H-statements:	
H301	Toxic if swallowed
H310	Fatal 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.
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), UN

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.

SECTION 1: Identification

1.1. GHS Product identifier

Product form	: Substance
Name	: Trypsin
Trade name	: CutXmise
Substance type	: UVCB
EC-No.	: 232-650-8
EC Index-No.	: 647-010-00-7
CAS-No.	: 9002-07-7

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Enzyme used for protein digestion

1.4. Supplier's details

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1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 2A H319

Respiratory sensitisation, Category 1 H334

Specific target organ toxicity – Single exposure, Category 3, H335

Respiratory tract irritation

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : Causes serious eye irritation, May cause respiratory irritation, Causes skin irritation, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) :



Signal word (GHS UN) : Danger

Hazard statements (GHS UN) : H315 - Causes skin irritation

H319 - Causes serious eye irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

Precautionary statements (GHS UN) : P261 - Avoid breathing dust.
P280 - Wear protective gloves, protective clothing, eye protection.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337+P317 - If eye irritation persists: Get medical help.
P342+P316 - If experiencing respiratory symptoms: Get emergency medical help immediately.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None to our knowledge

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Product identifiers: See section 1.1

Name	Product identifier	%
Trypsin (Main constituent)	CAS-No.: 9002-07-7	100

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If experiencing respiratory symptoms: If inhaled, call a doctor.
First-aid measures after skin contact : Wash with soapy water. If irritation persists, consult a doctor.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.
First-aid measures after ingestion : Rinse mouth out with water. Get medical advice and attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact : Causes skin irritation.
Symptoms/effects after eye contact : Causes serious eye irritation.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : All extinguishing agents can be used.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic vapours may be released. Carbon oxides (CO, CO₂).

5.3. Special protective actions for fire-fighters

- Firefighting instructions : Cool down the containers exposed to heat with a water spray.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ventilate spillage area. Do not breathe dust. Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.
Emergency procedures : Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

- For containment : Knock down/dilute dust cloud with water spray.
Methods for cleaning up : Mechanically recover the product. Wash non-recoverable remainder with large amounts of water.
Other information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate ventilation to minimize dust concentrations. Avoid creating or spreading dust. Do not breathe dust. Avoid contact with skin and eyes.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in dry, cool, well-ventilated area.
Heat and ignition sources : Keep away from heat.
Special rules on packaging : Store in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure that there is a suitable ventilation system. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures, such as personal protective equipment (PPE)

- Hand protection : Protective gloves. (ISO 374-1). Breakthrough time : refer to the recommendations of the supplier

CutXmise

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR), Neoprene rubber (HNBR)	5 (> 240 minutes)	> 0,3		

Eye protection : Protective goggles. (ISO 16321-1)
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In the event of insufficient ventilation: Dust mask with filter type P3

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Solid
Colour : White.
Odour : odourless.
Odour threshold : Not available
Melting point : Not available
Freezing point : Not available
Boiling point : Not available
Flammability : Not flammable
Lower explosion limit : Not applicable
Upper explosion limit : Not applicable
Flash point : Not applicable
Auto-ignition temperature : Not applicable
Decomposition temperature : Not available
pH : Not available
pH solution : Not available
Viscosity, kinematic (calculated value) (40 °C) : Not applicable
Partition coefficient n-octanol/water (Log Kow) : -1.3 (equivalent or similar to OECD Guideline 107)
Vapour pressure : Not available
Vapour pressure at 50°C : Not available
Density : > 1.32 – < 1.42 g/cm³
Relative density : Not available
Relative vapour density at 20°C : Not applicable
Solubility : Not available
Particle size : Not available

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties : Not explosive
Oxidising properties : Non oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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)
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

Trypsin (9002-07-7)

NOAEL (oral, rat, 28 days)	≥ 3420 KMTU/kg bodyweight/day
Aspiration hazard	: Not classified (Technical impossibility to obtain the data)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

Trypsin (9002-07-7)

EC50 Daphnia	> 24.7 mg/l/48 h (Daphnia magna (Water flea) (OECD 202 method))
ErC50 algae	> 24.7 mg/l/72 h ((Raphidocelis subcapitata) (OECD 201 method))
NOEC chronic algae	> 2.5 mg/l/72 h ((Raphidocelis subcapitata) (OECD 201 method))

12.2. Persistence and degradability

Trypsin (9002-07-7)

Persistence and degradability	Readily biodegradable.
Biodegradation	79 %

12.3. Bioaccumulative potential

Trypsin (9002-07-7)

Partition coefficient n-octanol/water (Log Kow)	-1.3 (equivalent or similar to OECD Guideline 107)
Bioaccumulative potential	No additional information available

CutXmise

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

12.4. Mobility in soil

Trypsin (9002-07-7)

Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)
Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations : Empty the packaging completely prior to disposal. Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Regional legislation	: Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active. Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List). Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances).
State or local regulations	: U.S. - New York City - Right to Know Hazardous Substances List.

SECTION 16: Other information

Issue date	: 04-02-2025
Data sources	: Annex VI. SRICI.
Abbreviations and acronyms	: EC50 - Median effective concentration ErC50 - EC50 in terms of reduction of growth rate IATA - International Air Transport Association IMDG - International Maritime Dangerous Goods NOEC - No-Observed Effect Concentration CAS-No. - Chemical Abstract Service number EC-No. - European Community number OECD - Organisation for Economic Co-operation and Development UN RTDG - United Nations Recommendations on the Transport of Dangerous Goods

Full text of H-statements:	
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation

Safety Data Sheet (SDS), UN

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.

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Name : Digestion buffer

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Solution used to resuspend Trypsin (enzyme)

1.4. Supplier's details

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1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

No labelling applicable

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None to our knowledge

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9	$\geq 0.0005 - < 0.00125$	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	($0.0015 \leq C \leq 100$) Skin Sens. 1A; H317 ($0.06 \leq C < 0.6$) Eye Irrit. 2; H319 ($0.06 \leq C < 0.6$) Skin Irrit. 2; H315 ($0.6 \leq C \leq 100$) Eye Dam. 1; H318 ($0.6 \leq C \leq 100$) Skin Corr. 1C; H314

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. Get medical advice and attention if you feel unwell.
- First-aid measures after skin contact : Wash with soapy water. If irritation persists, consult a doctor.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

4.2. Most important symptoms/effects, acute and delayed

- Symptoms/effects after skin contact : Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam.
- Unsuitable extinguishing media : High volume water jet.

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective actions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

Digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure that there is a suitable ventilation system. Avoid contact with skin.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Liquid spill: take up in sand, earth, vermiculite.

Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.

Other information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure that there is a suitable ventilation system. Avoid contact with skin.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. If on skin, take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Store in tightly closed containers.

Incompatible materials : Oxidizer. Amines. Reducing agents. mercaptan.

Heat and ignition sources : Keep away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure that there is a suitable ventilation system.

Environmental exposure controls : Avoid discharge of the product as is into the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves. (ISO 374-1). Breakthrough time : refer to the recommendations of the supplier

Eye protection : Safety glasses. (ISO 16321-1)

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use

8.4. Exposure limit values for the other components

No additional information available

Digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellowish.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Solubility	: Not available
Particle size	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties	: Not explosive
Oxidising properties	: Non oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

Oxidizer. Amines. Reducing agents. mercaptan.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
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Digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
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) Repeated or prolonged contact may cause allergic reactions in very susceptible persons
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-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)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met).
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met).

12.2. Persistence and degradability

Digestion buffer

Persistence and degradability	No data available.
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12.3. Bioaccumulative potential

Digestion buffer

Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

Digestion buffer

Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone	: Not classified (Based on available data, the classification criteria are not met)
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		

Digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

UN RTDG	IMDG	IATA
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 04-02-2025

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
UN RTDG - United Nations Recommendations on the Transport of Dangerous Goods

Full text of H-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A

Digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Full text of H-statements:	
H301	Toxic if swallowed
H310	Fatal 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.
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), UN

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.

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Name : Formic acid 0,2 %
Trade name : Elution buffer

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Elution solution for sample purification

1.4. Supplier's details

PROMISE PROTEOMICS
BHT 52A - CS20050
7 Parvis Louis Neel
P.O. Box 38040
Grenoble Cedex 9
France
T +33 (0)4 38 02 36 50
contact@promise-proteomics.com - <https://promise-proteomics.com> & <https://www.mabxmise.com/>

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

No labelling applicable

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None to our knowledge

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the applicable regulations

Elution buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air.
First-aid measures after skin contact	: Wash with soapy water. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. If you feel unwell, seek medical advice.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	: None to our knowledge.
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4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: All extinguishing agents can be used.
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5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO ₂).
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5.3. Special protective actions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Ventilate spillage area. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
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6.1.1. For non-emergency personnel

Protective equipment	: Concerning personal protective equipment to use, see section 8.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.
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Emergency procedures	: Stop leak if safe to do so.
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6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and materials for containment and cleaning up

For containment	: Liquid spill: take up in sand, earth, vermiculite.
Methods for cleaning up	: Wash non-recoverable remainder with large amounts of water.
Other information	: Collect all waste in suitable and labelled containers and dispose according to local legislation.

Elution buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep in a cool, well-ventilated place.
Incompatible materials	: Strong bases.
Special rules on packaging	: Store in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid discharge of the product as is into the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Protective gloves. (ISO 374-1). Breakthrough time : refer to the recommendations of the supplier
Eye protection	: Protective goggles. (ISO 16321-1)
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Transparent
Colour	: Colourless.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: ≤ 3
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available

Elution buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Solubility	: Not available
Particle size	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties	: Not explosive
Oxidising properties	: Non oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: ≤ 3
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: ≤ 3
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-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)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
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Elution buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

Elution buffer

Persistence and degradability	No data available.
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12.3. Bioaccumulative potential

Elution buffer

Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

Elution buffer

Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)
Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations : Empty the packaging completely prior to disposal. Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

UN RTDG
Not regulated

IMDG
Not regulated

Elution buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 04-02-2025

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
UN RTDG - United Nations Recommendations on the Transport of Dangerous Goods

Safety Data Sheet (SDS), UN

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.

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Name : IADA1 Revelator

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Revelator mix is used to detect the presence of ADAs in sample.

1.4. Supplier's details

PROMISE PROTEOMICS
BHT 52A - CS20050
7 Parvis Louis Neel
P.O. Box 38040
Grenoble Cedex 9
France
T +33 (0)4 38 02 36 50
contact@promise-proteomics.com - <https://promise-proteomics.com> & <https://www.mabxmise.com/>

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

No labelling applicable

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None to our knowledge

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Albumins, blood serum	CAS-No.: 9048-46-8	1 – 5	Acute Tox. 4 (Oral), H302

IADA1 Revelator

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Name	Product identifier	%	Classification according to the United Nations GHS
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9	$\geq 0.0005 - < 0.00125$	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	($0.0015 \leq C \leq 100$) Skin Sens. 1A; H317 ($0.06 \leq C < 0.6$) Eye Irrit. 2; H319 ($0.06 \leq C < 0.6$) Skin Irrit. 2; H315 ($0.6 \leq C \leq 100$) Eye Dam. 1; H318 ($0.6 \leq C \leq 100$) Skin Corr. 1C; H314

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. Get medical advice and attention if you feel unwell.
- First-aid measures after skin contact : Wash with soapy water. If irritation persists, consult a doctor.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

4.2. Most important symptoms/effects, acute and delayed

- Symptoms/effects after skin contact : Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam.
- Unsuitable extinguishing media : High volume water jet.

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective actions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ensure that there is a suitable ventilation system. Avoid contact with skin.

IADA1 Revelator

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Liquid spill: take up in sand, earth, vermiculite.

Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.

Other information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure that there is a suitable ventilation system. Avoid contact with skin.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. If on skin, take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Store in tightly closed containers.

Incompatible materials : Oxidizer. Amines. Reducing agents. mercaptan.

Heat and ignition sources : Keep away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure that there is a suitable ventilation system.

Environmental exposure controls : Avoid discharge of the product as is into the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard ISO 374-1. Breakthrough time : refer to the recommendations of the supplier

Eye protection : Safety glasses. (ISO 16321-1)

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Liquid

Colour : Yellowish.

IADA1 Revelator

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Odour	: odourless.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Solubility	: Not available
Particle size	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties	: Not explosive
Oxidising properties	: Non oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

Oxidizer. Amines. Reducing agents. mercaptan.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Albumins, blood serum (9048-46-8)

ATE UN (oral)	500 mg/kg bodyweight
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IADA1 Revelator

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

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) Repeated or prolonged contact may cause allergic reactions in very susceptible persons
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-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)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met).
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met).

12.2. Persistence and degradability

IADA1 Revelator	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

IADA1 Revelator	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

IADA1 Revelator	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone	: Not classified (Based on available data, the classification criteria are not met)
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated

IADA1 Revelator

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

UN RTDG	IMDG	IATA
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 04-02-2025

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
UN RTDG - United Nations Recommendations on the Transport of Dangerous Goods

Full text of H-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A
H301	Toxic if swallowed
H310	Fatal in contact with skin

IADA1 Revelator

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Full text of H-statements:	
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.
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), UN

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.

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Name : MAbXmise plate IADA1 + dessicant

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Samples are dropped off in the Preparation plate which contains dried therapeutic monoclonal antibodies.

1.4. Supplier's details

PROMISE PROTEOMICS
BHT 52A - CS20050
7 Parvis Louis Neel
P.O. Box 38040
Grenoble Cedex 9
France
T +33 (0)4 38 02 36 50
contact@promise-proteomics.com - <https://promise-proteomics.com> & <https://www.mabxmise.com/>

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification


2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Serious eye damage/eye irritation, Category 2A H319 Calculation method
Full text of H-statements: see section 16
Adverse physicochemical, human health and environmental effects : Causes skin irritation.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) : 

Signal word (GHS UN) : Warning
Hazard statements (GHS UN) : H319 - Causes serious eye irritation
Precautionary statements (GHS UN) : P280 - Wear eye protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P317 - If eye irritation persists: Get medical help.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None to our knowledge

MAbXmise plate IADA1 + dessicant

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Sodium carbonate	CAS-No.: 497-19-8	≥ 29 – < 50	Acute Tox. 5 (Oral), H303 Eye Irrit. 2A, H319

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air.
First-aid measures after skin contact	: Wash with soapy water. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. If you feel unwell, seek medical advice.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after eye contact : Causes serious eye irritation.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : All extinguishing agents can be used.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ventilate spillage area. Avoid contact with eyes.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Stop leak if safe to do so.

MAbXmise plate IADA1 + dessicant

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and materials for containment and cleaning up

For containment	: Liquid spill: take up in sand, earth, vermiculite.
Methods for cleaning up	: Wash non-recoverable remainder with large amounts of water.
Other information	: Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with eyes.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep in a cool, well-ventilated place. Keep container dry.
Incompatible materials	: Strong bases. Strong acids.
Special rules on packaging	: Store in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Environmental exposure controls	: Avoid discharge of the product as is into the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Protective gloves. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard ISO 374-1. Breakthrough time : refer to the recommendations of the supplier
Eye protection	: Protective goggles. (ISO 16321-1)
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Solid
Colour	: Not available
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available

MAbXmise plate IADA1 + dessicant

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Flammability	: Not flammable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not applicable
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Solubility	: Not available
Particle size	: Not available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Water, humidity.

10.5. Incompatible materials

Strong bases. Strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Causes serious eye irritation.
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Technical impossibility to obtain the data)

MAbXmise plate IADA1 + dessicant

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

MAbXmise plate IADA1 + dessicant

Persistence and degradability	No data available.
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12.3. Bioaccumulative potential

MAbXmise plate IADA1 + dessicant

Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

MAbXmise plate IADA1 + dessicant

Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

Product/Packaging disposal recommendations : Empty the packaging completely prior to disposal. Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

MAbXmise plate IADA1 + dessicant

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

14.6. Special precautions for user

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 04-02-2025

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
UN RTDG - United Nations Recommendations on the Transport of Dangerous Goods

Full text of H-statements:

Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
H303	May be harmful if swallowed
H319	Causes serious eye irritation

Safety Data Sheet (SDS), UN

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.

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture

 Name : Formic acid 2,5 %

 Trade name : Stop digestion buffer

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Solution used to stop enzymatic digestion

1.4. Supplier's details

PROMISE PROTEOMICS

 BHT 52A - CS20050

 7 Parvis Louis Neel

 P.O. Box 38040

 Grenoble Cedex 9

 France

 T +33 (0)4 38 02 36 50

contact@promise-proteomics.com - <https://promise-proteomics.com> & <https://www.mabxmise.com/>

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification


2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Skin corrosion/irritation, Category 2	H315	Calculation method
Serious eye damage/eye irritation, Category 2	H319	Calculation method
Full text of H-statements: see section 16		
Adverse physicochemical, human health and environmental effects	: Causes skin irritation,Causes serious eye irritation.	

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) : 

Signal word (GHS UN) : Warning

Hazard statements (GHS UN) :

 H315 - Causes skin irritation

 H319 - Causes serious eye irritation

Precautionary statements (GHS UN) :

 P264 - Wash hands hands, forearms and face thoroughly after handling.

 P280 - Wear protective gloves, protective clothing, eye protection.

 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

 P337+P317 - If eye irritation persists: Get medical help.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None to our knowledge

Stop digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Formic acid	CAS-No.: 64-18-6	1 – 5	Flam. Liq. 3, H226 Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:vapour), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Formic acid	CAS-No.: 64-18-6	(2 ≤ C < 10) Eye Irrit. 2; H319 (2 ≤ C < 10) Skin Irrit. 2; H315 (10 ≤ C < 90) Skin Corr. 1B; H314 (10 ≤ C ≤ 100) Eye Dam. 1; H318 (85 < C ≤ 100) Flam. Liq. 3; H226 (90 ≤ C ≤ 100) Skin Corr. 1A; H314

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air.
First-aid measures after skin contact	: Wash with soapy water. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. If you feel unwell, seek medical advice.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: All extinguishing agents can be used.
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5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO ₂).
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Stop digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Stop leak if safe to do so.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Liquid spill: take up in sand, earth, vermiculite.

Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.

Other information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep in a cool, well-ventilated place.

Incompatible materials : Strong bases.

Special rules on packaging : Store in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Formic acid (64-18-6)

India - Occupational Exposure Limits

Local name	Formic acid
PEL (OEL TWA)	9 mg/m ³
	5 ppm
Regulatory reference	Factories Act 1948 [Act No. 63 of 1948] As amended by the Factories (Amendment) Act, 1987. The second shedule "Permissible levels of certain chemical substances in work environment"

Stop digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid discharge of the product as is into the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

- Hand protection : Protective gloves. (ISO 374-1). Breakthrough time : refer to the recommendations of the supplier
- Eye protection : Protective goggles. (ISO 16321-1)
- Skin and body protection : Wear suitable protective clothing
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

- Physical state : Liquid
- Appearance : Transparent
- Colour : Colourless.
- Odour : Not available
- Odour threshold : Not available
- Melting point : Not available
- Freezing point : Not available
- Boiling point : Not available
- Flammability : Not flammable
- Lower explosion limit : Not available
- Upper explosion limit : Not available
- Flash point : Not available
- Auto-ignition temperature : Not available
- Decomposition temperature : Not available
- pH : ≤ 3
- pH solution : Not available
- Viscosity, kinematic (calculated value) (40 °C) : Not available
- Partition coefficient n-octanol/water (Log Kow) : Not available
- Vapour pressure : Not available
- Vapour pressure at 50°C : Not available
- Density : Not available
- Relative density : Not available
- Relative vapour density at 20°C : Not available
- Solubility : Not available
- Particle size : Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

- Explosive properties : Not explosive
- Oxidising properties : Non oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Stop digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Formic acid (64-18-6)

LD50 oral rat	500 mg/kg bodyweight (expert opinion)
LD50 dermal rat	> 2000 mg/kg bw/day (OECD 402 method)
LC50 Inhalation - Rat (Vapours)	7.4 mg/l/4h (expert opinion)

Skin corrosion/irritation : Causes skin irritation.
pH: ≤ 3
Serious eye damage/irritation : Causes serious eye irritation.
pH: ≤ 3
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)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-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)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

Formic acid (64-18-6)

LC50 fish	130 mg/l/96h (Danio rerio (OECD 203 method))
EC50 Daphnia	365 mg/l/48 h (Daphnia magna (Water flea) (OECD 202 method))
ErC50 algae	1240 mg/l/72 h ((Raphidocelis subcapitata) (OECD 201 method))
NOEC chronic crustacea	≥ 100 mg/l/ 21 days (Daphnia magna (Water flea) (OECD 211 method))
NOEC chronic algae	< 76.8 mg/l/72 h ((Raphidocelis subcapitata) (OECD 201 method))

Stop digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

12.2. Persistence and degradability

Stop digestion buffer

Persistence and degradability : No data available.

Formic acid (64-18-6)

Persistence and degradability : Readily biodegradable.

Biodegradation : 92 % (OECD 301D method)

12.3. Bioaccumulative potential

Stop digestion buffer

Bioaccumulative potential : No additional information available

Formic acid (64-18-6)

Partition coefficient n-octanol/water (Log Pow) : -2.3 -- -1.9 (Test method EU A.8)

Bioaccumulative potential : Not potentially bioaccumulable.

12.4. Mobility in soil

Stop digestion buffer

Mobility in soil : No additional information available

Formic acid (64-18-6)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) : < 1.25 (OECD 121 method)

Ecology - soil : Very mobile.

12.5. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)
Other adverse effects : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations : Empty the packaging completely prior to disposal. Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated

Stop digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

UN RTDG	IMDG	IATA
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 04-02-2025

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
UN RTDG - United Nations Recommendations on the Transport of Dangerous Goods

Full text of H-statements:	
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H226	Flammable liquid and vapour
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage

Stop digestion buffer

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Full text of H-statements:	
H319	Causes serious eye irritation
H331	Toxic if inhaled

Safety Data Sheet (SDS), UN

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.

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Name : Wash Buffer 1

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Washing solution for sample preparation

1.4. Supplier's details

PROMISE PROTEOMICS

BHT 52A - CS20050

7 Parvis Louis Neel

P.O. Box 38040

Grenoble Cedex 9

France

T +33 (0)4 38 02 36 50

contact@promise-proteomics.com - <https://promise-proteomics.com> & <https://www.mabxmise.com/>

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

No labelling applicable

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None to our knowledge

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Wash Buffer 1

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9	$\geq 0.0005 - < 0.00125$	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	($0.0015 \leq C \leq 100$) Skin Sens. 1A; H317 ($0.06 \leq C < 0.6$) Eye Irrit. 2; H319 ($0.06 \leq C < 0.6$) Skin Irrit. 2; H315 ($0.6 \leq C \leq 100$) Eye Dam. 1; H318 ($0.6 \leq C \leq 100$) Skin Corr. 1C; H314

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. Get medical advice and attention if you feel unwell.
- First-aid measures after skin contact : Wash with soapy water. If irritation persists, consult a doctor.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

4.2. Most important symptoms/effects, acute and delayed

- Symptoms/effects after skin contact : Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam.
- Unsuitable extinguishing media : High volume water jet.

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective actions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

Wash Buffer 1

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure that there is a suitable ventilation system. Avoid contact with skin.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Liquid spill: take up in sand, earth, vermiculite.

Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.

Other information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure that there is a suitable ventilation system. Avoid contact with skin.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. If on skin, take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Store in tightly closed containers.

Incompatible materials : Oxidizer. Amines. Reducing agents. mercaptan.

Heat and ignition sources : Keep away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure that there is a suitable ventilation system.

Environmental exposure controls : Avoid discharge of the product as is into the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves. (ISO 374-1). Breakthrough time : refer to the recommendations of the supplier

Eye protection : Safety glasses. (ISO 16321-1)

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use

8.4. Exposure limit values for the other components

No additional information available

Wash Buffer 1

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellowish.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Solubility	: Not available
Particle size	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties	: Not explosive
Oxidising properties	: Non oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

Oxidizer. Amines. Reducing agents. mercaptan.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
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Wash Buffer 1

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
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) Repeated or prolonged contact may cause allergic reactions in very susceptible persons
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-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)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met).
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met).

12.2. Persistence and degradability

Wash Buffer 1	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

Wash Buffer 1	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

Wash Buffer 1	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone	: Not classified (Based on available data, the classification criteria are not met)
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		

Wash Buffer 1

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

UN RTDG	IMDG	IATA
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 04-02-2025

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
UN RTDG - United Nations Recommendations on the Transport of Dangerous Goods

Full text of H-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A

Wash Buffer 1

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Full text of H-statements:	
H301	Toxic if swallowed
H310	Fatal 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.
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), UN

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.

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Name : Wash Buffer 2

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Washing solution for sample preparation

1.4. Supplier's details

PROMISE PROTEOMICS
BHT 52A - CS20050
7 Parvis Louis Neel
P.O. Box 38040
Grenoble Cedex 9
France
T +33 (0)4 38 02 36 50
contact@promise-proteomics.com - <https://promise-proteomics.com> & <https://www.mabxmise.com/>

1.5. Emergency phone number

No additional information available

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Wash Buffer 2

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9	$\geq 0.0005 - < 0.00125$	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3- one (3:1)	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	($0.0015 \leq C \leq 100$) Skin Sens. 1A; H317 ($0.06 \leq C < 0.6$) Eye Irrit. 2; H319 ($0.06 \leq C < 0.6$) Skin Irrit. 2; H315 ($0.6 \leq C \leq 100$) Eye Dam. 1; H318 ($0.6 \leq C \leq 100$) Skin Corr. 1C; H314

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. Get medical advice and attention if you feel unwell.
- First-aid measures after skin contact : Wash with soapy water. If irritation persists, consult a doctor.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult an eye specialist.
- First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

4.2. Most important symptoms/effects, acute and delayed

- Symptoms/effects after skin contact : Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam.
- Unsuitable extinguishing media : High volume water jet.

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective actions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

Wash Buffer 2

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure that there is a suitable ventilation system. Avoid contact with skin.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Mark out the contaminated area with signs and prevent access to unauthorized personnel.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment : Liquid spill: take up in sand, earth, vermiculite.

Methods for cleaning up : Wash non-recoverable remainder with large amounts of water.

Other information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure that there is a suitable ventilation system. Avoid contact with skin.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. If on skin, take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Store in tightly closed containers.

Incompatible materials : Oxidizer. Amines. Reducing agents. mercaptan.

Heat and ignition sources : Keep away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure that there is a suitable ventilation system.

Environmental exposure controls : Avoid discharge of the product as is into the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard ISO 374-1. Breakthrough time : refer to the recommendations of the supplier

Eye protection : Safety glasses. (ISO 16321-1)

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use

8.4. Exposure limit values for the other components

No additional information available

Wash Buffer 2

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellowish.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Solubility	: Not available
Particle size	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties	: Not explosive
Oxidising properties	: Non oxidizing

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat and direct sunlight.

10.5. Incompatible materials

Oxidizer. Amines. Reducing agents. mercaptan.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
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Wash Buffer 2

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
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) Repeated or prolonged contact may cause allergic reactions in very susceptible persons
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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-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)

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met).
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met).

12.2. Persistence and degradability

Wash Buffer 2	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

Wash Buffer 2	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

Wash Buffer 2	
Mobility in soil	No additional information available

12.5. Other adverse effects

Ozone	: Not classified (Based on available data, the classification criteria are not met)
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		

Wash Buffer 2

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

UN RTDG	IMDG	IATA
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date : 04-02-2025

Abbreviations and acronyms : CAS-No. - Chemical Abstract Service number
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
EC-No. - European Community number
PBT - Persistent Bioaccumulative Toxic
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB - Very Persistent and Very Bioaccumulative

Full text of H-statements:	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1

Wash Buffer 2

Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Full text of H-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A
H301	Toxic if swallowed
H310	Fatal 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.
H330	Fatal if inhaled
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), UN

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.