

Trade name: 5X TBS Wash Buffer

Version: 5.0

Latest revision: 31.07.2025

Previous issue: 16.01.2024

1 / 8

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: 5x TBS Buffer

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

5x TBS WASH BUFFER solution is intended to wash-off excess acridinium ester conjugate, non-bound components and background molecules during a chemiluminescence immunoassay reaction in the KleeYa® analyzer.

1.3. Details of the supplier of the safety data sheet

Diatron MI Plc.

H-1097 Budapest, Táblás u. 39

Phone: +36 1 2794 400

Responsible for SDS:

support@diatron.com

1.4. Emergency telephone number

Emergency phone number: + 36 1 4369800

Health Toxicological Information Service (ETTSZ H-1096 Budapest, Nagyvárad tér 2.)

Phone: +36 1 4766464 or +36 80 201199 or

Health Toxicological Information Service in the country of user

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS):

Skin Sensibilization - Category 1A

2.2. Label Elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram(s)



Signal word

Warning

Hazard Statements (H-phrases)

H317 May cause an allergic skin reaction.

Precautionary Statements (P-phrases)

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

Trade name: 5X TBS Wash Buffer

Version: 5.0 Latest revision: 31.07.2025 Previous issue: 16.01.2024 2 / 8

No component of the mixture is classified as PBT or vPvB and has no endocrine disrupting properties.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENT

3.1. Substances

Not applicable.

3.2. Mixtures

Ingredients / hazardous components according to Regulation (EC) No 1272/2008 and (EU) No 2020/878

Name	CAS number	EC number	Classification	Hazard statements	Conc. % (m/m)
2-methyl-2H-isothiazol-3-one	2682-20-4	220-239-6	Acute oral tox. - category 3;	H301	0.0015-0.0035
			Skin corrosion/irritation - category 1B;	H311	
			Aquatic acute tox. - category 1;	H314	
			Aquatic chronic tox. - category 1	H318	
				H317	
				H330	
			Specification concentration limits:		
			Skin. Sens. 1; H317: C _≥ 0,0015	H400	
				H410	
5-Chloro-2-methyl-1,2-thiazol-3(2H)-one	247-500-7	26172-55-4	Acute toxicity, oral - category 3;	H302	0.0015-0.0035
			Acute toxicity, Inhalation - category 2;	H311	
			Dermal toxicity - category 2;	H314	
			Skin corrosion/irritation - category 1C;	H400	
			Skin Sensibilization - category 1A;	H410	
			Eye damage - category 1;		
Aquatic acute - category 1					

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If breathing is irregular or not breathing, give artificial respiration or oxygen by trained personnel. Consult a physician.

In case of skin contact

Wash affected skin off with soap and plenty of water, remove soiled clothing immediately. Consult a physician.

In case of eye contact

Check and remove contact lenses. Immediately flush eyes with running water extensively for at least 15 minutes, keeping eyelids open. Get medical attention immediately, if irritation develops.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor.

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

No data available.

Inhalation

No data available.

Skin

Trade name: 5X TBS Wash Buffer

Version: 5.0

Latest revision: 31.07.2025

Previous issue: 16.01.2024

3 / 8

No data available.

Eyes

No data available.

Ingestion

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

Coordinate fire-fighting measures to the fire surroundings. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Unsuitable extinguishing media:

No information.

5.2. Special hazards arising from the mixture

In case of fire the following can be released: Carbon oxides, Hydrogen chloride gas (HCl).

5.3. Advice for firefighters

Protective clothing, SCBA, Keep adjacent containers cool by spraying with water; If possible, the product needs to be removed from danger. If possible, the extinguishing water should not be discharged into the drain.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Do not take action without suitable protective clothing - see section 8 of SDS.

For emergency personnel

Use personal protective equipment. Avoid breathing vapors, mist. Ensure adequate ventilation. If special clothing is required to deal with the spillage, follow the information in section 8.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Store in suitable, closed containers for disposal.

6.4. Reference to other sections

For information on safe handling see section 7, for information on personal protective equipment see section 8. For disposal information see section 13.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Keep general measures applied for normal operations with chemicals and for working in laboratory. Avoid contact with skin and eyes, wash hands after use. Avoiding spills or keeping away from drains. See section 6.

7.2 Conditions for safe storage, including any incompatibilities

The general regulations for storing chemicals must be observed. Store in the original, labeled, closed container within the temperature range indicated on the label. Store in the original closed container. Keep away from strong oxidizing agents.

7.3. Specific end use(s)

See section 1.2, and product sheet. For recommended temperature see product sheet.

Trade name: 5X TBS Wash Buffer

Version: 5.0

Latest revision: 31.07.2025

Previous issue: 16.01.2024

4 / 8

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters (5/2020. (II. 6.) ITM decree)

The product does not contain any substance that has an occupational exposure limit value according to Annex I of ITM Decree 5/2020.

8.2. Exposure controls

Control parameters

General industrial health good practice should be followed.

Adequate ventilation should be provided. Avoid contact with skin and eyes, and swallowing the product.

Ensure washing facilities (warm water) after working hours and before breaks. Wash thoroughly hands after using the product.

Individual protection measures, such as personal protective equipment

Use of personal protective equipment.

a) Eye/face protection

Tightly closing protective goggles (EN 166) are recommended during refilling.

b) Skin protection

• Hand protection

Use of protective gloves is recommended (EN 374). Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Recommended : solvent-resistant gloves (butyl-rubber Break through time > 6 h)

• Other

Protective clothing, general (lab. coat).

c) Respiratory protection

Not required for intended use.

d) Thermal hazard

No data available.

Environmental exposure controls

Avoid product release to live waters public sewers or the soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Physical state	Liquid.
b) Colour	Colourless.
c) Odour:	Odourless.
d) Melting point/ freezing point	-1 °C
e) Boiling point or initial boiling point and boiling range	101°C
f) Flammability	Not explosive.
g) Lower and upper explosion limit	Not explosive.
h) Flash point	Not applicable.
i) Auto-ignition temperature	Not applicable.

Trade name: 5X TBS Wash Buffer

Version: 5.0	Latest revision: 31.07.2025	Previous issue: 16.01.2024	5 / 8
--------------	-----------------------------	----------------------------	-------

j) Decomposition temperature	Not determined.
k) pH	7.6
l) Kinematic viscosity	Not determined.
m) Solubility	Miscible.
n) Partition coefficient n-octanol/water (log value)	Not determined.
o) Vapour pressure	Not determined.
p) Density and/or relative density	Not determined.
q) Relative vapour density	not determined
r) Particle characteristics	not determined

9.2. Others

No further information.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity	No known hazardous reactions in normal environment
10.2. Chemical stability	The mixture is stable when stored at normal ambient temperatures (minus 40 °C to +40°C)
10.3. Possibility of hazardous reactions	No known dangerous reactions
10.4. Conditions to avoid	Heat, light.
10.5. Incompatible materials	Strong oxidizers.
10.6. Hazardous decomposition products	No decomposition or known hazardous decomposition products when used as intended.

SECTION 11: TOXICOLOGICAL INFORMATION

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

a) Acute toxicity:	No data available.
b) Skin corrosion/ Skin irritation	Based on available data, the classification criteria are not met.
c) Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
d) Respiratory or skin sensitization	May cause an allergic skin reaction.
e) Germ cell mutagenicity	Based on available data, the classification criteria are not met.
f) Carcinogenicity	The product does not contain 0.1% or more of an ingredient that is possible or identified as a confirmed human carcinogen according to IARC.
g) Reproductive toxicity	No data available.
h) Specific target organ toxicity - single exposure	No data available.
i) Specific target organ toxicity - repeated exposure	No data available.
j) Aspiration hazard	No data available.

Information on likely routes of exposure

Inhalation	No data available.
Ingestion	No data available.
Skin	May cause an allergic skin reaction.
Eyes	No data available.
Sensitization	May cause an allergic skin reaction.

Trade name: 5X TBS Wash Buffer

Version: 5.0

Latest revision: 31.07.2025

Previous issue: 16.01.2024

6 / 8

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Ingestion:	No data available.
Skin:	No data available.
Eyes:	No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No known symptoms.

Interactive effects

No information.

Mixture versus substance information

No information.

11.2. Information on other hazards

No further information.

Endocrine disrupting properties

No further information.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

No data available. Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture is not PBT or vPvB because neither are its components.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

The product does not contain substances that deplete the ozone layer.

SECTION 13: DISPOSAL CONSIDERATION**13.1. Waste treatment methods**

Waste identification number: EWC code: 16 10 01*

aqueous liquid wastes containing hazardous substances

Notes: classification of product waste is also dependent on the conditions of application. Disposal must be in compliance with national and local regulations.

Smaller quantities can be disposed with household waste.

Contaminated Packaging

Containers with product residue should also be treated according to EU directives and national regulations.

Packaging EWC: 15 01 10 packaging containing residues of or contaminated by hazardous substances

Trade name: 5X TBS Wash Buffer

Version: 5.0	Latest revision: 31.07.2025	Previous issue: 16.01.2024	7 / 8
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SECTION 14: TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA.

14.1. UN number or ID number

Does not meet the criteria for classification as hazardous for transport.

14.2. UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3. Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

14.4. Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5. Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for user

Does not meet the criteria for classification as hazardous for transport.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

EU Regulation 528/2012 on the marketing of biocidal products

The product contains biocidal active substances:

- 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4) Conc: 0.0015-0.0035%
- 5-Chloro-2-methyl-1,2-thiazol-3(2H)-one (CAS 26172-55-4) Conc: 0.0015-0.0035%

15.2 Chemical Safety Assessment

No chemical safety assessment is available for this substance.

SECTION 16: OTHER INFORMATION

Recommended applications / restrictions:

No further information.

Full text of H-Statements referred to under sections 2 and 3.

H225 Highly flammable liquid and vapour.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Information given is based on our best knowledge and is intended to describe the product for the purposes of safety of transporting and handling only. It should not be therefore construed as guaranteeing any specific property of the product. It is the responsibility of the user to observe all current regulations and consider recommendations on the use of application of product.

Latest revision:	31.07.2025		
Section	Subject of change	Date	Version



DIATRON MI PLC H-1097 Budapest,
HUNGARY, Táblás utca 39.

MATERIAL SAFETY DATA SHEET

According to Regulation (EU) 1907/2006 (REACH) as amended by Regulation (EU) 2020/878 Annex II

Trade name: 5X TBS Wash Buffer

Version: 5.0	Latest revision: 31.07.2025	Previous issue: 16.01.2024	8 / 8
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1-16	First issue according to the 2015/830 amending Regulation (EC) No 1907/2006 REACH		1.0
1-16	Upgrading according to the EC/2020/878 amending Annex II to REACH Regulation	29.07.2019	2.0
1-16	SDS update according to regulation (EU) 2020/878	20.05.2022	3.0
1-16	SDS update according to regulation (EU) 2020/878	16.01.2024	4.0
1	Removal of product code	31.07.2025	5.0