

BIO-52058  
BIO-52059  
BIO-52060

ISOLATE II PCR and Gel Kit  
Safety Data Sheet



A Meridian Life Science® Company

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product form: Mixture  
 Product name: 10 - 200 mL Binding Buffer CB  
 Cat. No.: BIO-52058, BIO-52059 & BIO-52060  
 REACH Registration number(s): see SECTION 3.1/3.2 or  
 A registration number for the substance(s) does not exist because the annual tonnage does not require registration or the substance or its use is excluded from registration.

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

**Relevant identified uses**  
 Product for analytical use.  
 Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0  
 The exposure scenario is integrated into sections 1-16.  
**Uses advised against**  
 not described

### 1.3 Details of the supplier of the safety data sheet

Bioline Reagents Ltd.  
 Humber Road  
 London  
 NW2 6EW  
 United Kingdom  
 T: +44 (0)20 8830 5300  
 F: +44 (0)20 8452 2822  
 E-mail: info.uk@bioline.com

### 1.4 Emergency telephone number

+49 (0) 7611 9240 (Germany)  
 (24 hours, 7 days)

## SECTION 2: Hazard identification

### 2.1 Classification of the substance or mixture

#### 10 - 200 mL Binding Buffer CB

Directive 1999/45/EC

Symbols - do not need labelling as hazardous

CLP Directive 1272/2008/EC

GHS pictograms



GHS07

Signal word WARNING

#### Hazard identification

#### Hazard classes/categories

EUH031	031 not defined
H302	Acute Tox. 4 oral
H412	Hazardous to the aquatic environment - chronic cat. 3

### 2.2 Label elements

According 1999/45/EC small amounts of harmful and highly flammable preparations/mixtures have partly/completely exemption from labelling (no symbols F, O, Xn, Xi, N and no R and S phrases are necessary) until **25-125 mL**g .

According **CLP (GHS)** inner packages must be only labelled with symbol(s) and product identifier (EU 1272/2008 Annex I - 1.5.1.2). Harmful chemicals/mixtures with signal word: **WARNING** must not be labelled with H and P phrases **until 125 mL** (EU 1272/2008 Annex I - 1.5.2).

# Binding Buffer CB

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 20/01/17 Version: 1.0

### 10 - 200 mL Binding Buffer CB

Directive 1999/45/EC

Symbols:

-  
-

CLP Directive 1272/2008/EC

GHS pictograms:



GHS07

Signal word: WARNING

### 2.3 Other hazards

#### Possible Hazards from physicochemical Properties

#### Information pertaining to particular Risks to Human and possible Symptoms

Cause after oral intake, impairments of health when ingested in small quantities. ---

#### Information pertaining to particular Risks to the Environment

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#### Other Hazards

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## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances or 3.2 Mixtures

#### 10 - 200 mL Binding Buffer CB

Chemical:	<i>guanidinium thiocyanate</i>	CAS No.:	593-84-0
Concentration:	30 - 60 %		
Formula:	C <sub>2</sub> H <sub>6</sub> N <sub>4</sub> S		
Pseudonym:	guanidine rhodanide		
REACH Preregistration (for):	05-2114282043-57-0000 (2018)		
EC No.:	209-812-1	Indice No.:	615-004-00-3
RTECS:	XL1225000	MFCD:	00013027
TSCA Inventory:	listed		
KE No.:	not listed		
acc. 1999/45/EC:	R 20/21/22-32-52/53	acc. CLP (GHS):	H302, H412, EUH031
Chemical:	<i>indicator dye(s)</i>	CAS No.:	-
Concentration:	< 0,01 %		
acc. 1999/45/EC:	-	acc. CLP (GHS):	not necessary

### 3.3 Remarks

List of R, H and P phrases: see section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately. Ensure quiet, warmth, and provide resuscitation if necessary. If necessary contact medical advice.

#### 4.1.1 After SKIN Contact

Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water. (If possible) use soap.

#### 4.1.2 After EYE Contact

# Binding Buffer CB

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 20/01/17 Version: 1.0

After contact with the eyes rinse thoroughly under running water with the eyelid wide open with eye washing bottle, eye douche or running water (protect intact eye).

**4.1.3 After INHALATION of Vapours**  
After inhalation of foam or vapour fresh air should be inhaled. Keep airways free.

**4.1.4 After ORAL Intake**  
After oral intake lots of water should be drunk after it has been ingested.

**4.2 Most important symptoms and effects, both acute and delayed**  
Avoid inhalation of dust. ---

**4.3 Indication of any immediate medical attention and special treatment needed**  
No additionally recommendations.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**  
Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

**5.2 Special hazards arising from the substance or mixture**  
Formation of hazardous and caustic vapour-air mixtures possible.

**5.3 Advice for firefighters**  
No, for listed product. Product package burns like paper or plastic.

**5.4 Additional Information**  
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## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**  
Do not breathe vapours. Regular staff training is necessary.

**6.2 Environmental precautions**  
not necessary, contains only small amounts of these substances

**6.3 Methods and material for containment and cleaning up**  
Bind any escaping liquid with inert absorbent. Collect small amounts of leaked liquid and flush with water into drains.

**6.4 Reference to other sections**  
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## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**  
Handling in accordance with the test instruction, that comes with the product.

**7.2 Conditions for safe storage, including any incompatibilities**  
The original product package allows a safe storage.  
Storage class (VCI): 12  
WGK (DE): 3

**7.2.1 Requirements for Stock Rooms and Containers**  
Keep original product packages tightly closed during handling and storage.

**7.3 Specific end use(s)**  
Product for analytical use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**10 - 200 mL Binding Buffer CB**  
Chemical: *guanidinium thiocyanate*  
NIOSH: not listed  
OSHA: not listed

CAS No.: 593-84-0

# Binding Buffer CB

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 20/01/17 Version: 1.0

Chemical: *indicator dye(s)*

CAS No.: -

### 8.2 Exposure controls

Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities. The highest level of cleanliness must be maintained at the workplace.

#### 8.2.1 Respiratory Protection

Only if additional recommendations in test instruction or packing insert.

#### 8.2.2 Hand Protection

Yes, gloves according EN 374 (permeation time >30 min - level 2), consist of PVC, natural latex, Neopren, or Nitril (f.ex. from Ansell or KCL). Use for short times chemical resistant latex gloves with code EN 374-3 level 1.

#### 8.2.3 Eye Protection

Yes, safety glasses according EN 166 with integrated side shields or wrap-around protection.

#### 8.2.4 Skin Protection

Not necessary.

#### 8.2.5 Personal Hygiene

Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplaces is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled, and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating, and then apply protective skin cream.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### 10 - 200 mL Binding Buffer CB

Appearance: liquid

Color: blue

Odor: acetic

pH:

4.5-5.5

Specific gravity:

1.12 g/cm<sup>3</sup>

### 9.2 Other information

#### Relevant Properties of Substance Group

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#### 9.2.1

Data for the other parameters of the mixtures are not available, because no registration and no chemical safety report is required.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

No known instability.

### 10.3 Possibility of hazardous reactions

No data available. Note: Can form very reactive substances with oxidizing agents. Possible: Contact with acids liberates toxic gas.

### 10.4 Conditions to avoid

Or when indicated in packing insert.

### 10.5 Incompatible materials

Not necessary.

### 10.6 Hazardous decomposition products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

# Binding Buffer CB

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 20/01/17 Version: 1.0

### 10 - 200 mL Binding Buffer CB

Chemical:	<i>guanidinium thiocyanate</i>	CAS No.:	593-84-0
TSCA Inventory:	listed	California Proposition 65 List:	not listed
Australia NICNAS:	not listed	Canada CEPA 1999:	DSL yes
Japan CSCL/PRTR:	not listed	Japan ISHL:	not listed
Japan PDSCL:	not listed		
South Korea TCCA:	not listed		
Korea Exist.Chem.Inventory:	not listed		
LD50 <sub>orl rat</sub> :	593 mg/kg		
LC50 <sub>drm rbt</sub> :	2000 mg/m <sup>3</sup>		
LC50 <sub>ihl rat</sub> :	5.319 <sub>4h</sub> mg/L		
LD50 <sub>ipr mus</sub> :	300 mg/kg		

Acute Effects: Cause after oral intake, impairments of health when ingested in small quantities.

Chemical:	<i>indicator dye(s)</i>	CAS No.:	-
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## SECTION 12: Ecological information

### 12.1 Toxicity

Following information is valid for pure substances.

#### 10 - 200 mL Binding Buffer CB

Chemical:	<i>guanidinium thiocyanate</i>	CAS No.:	593-84-0
Harmful to aquatic life with long lasting effects. Avoid contact of substance/mixture to environment.			
Environmental hazards must not be labelled with P phrases until 125 mL or 125 g (EU 1272/2008 Annex I - 1.5.2).			
WGK (DE):	3		
Storage class (VCI):	12		

Chemical:	<i>indicator dye(s)</i>	CAS No.:	-
Storage class (VCI):	12-13		

### 12.2 Persistence and degradability

not necessary

### 12.3 Bioaccumulative potential

not necessary

### 12.4 Mobility in soil

not necessary

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no additional data available

## SECTION 13: Disposal considerations

Do not collect in acidic waste. May form toxic gases.

Please observe local regulations for collection and disposal of hazardous waste and contact waste disposal company, where you will obtain information on laboratory waste disposal (waste code number 16 05 06).

### 13.1 Waste treatment methods

Normally it is possible to empty small amounts (diluted!) into drains.

## SECTION 14: Transport information

14.1 - 14.4: No dangerous goods according the transport regulations

### 14.5 Environmental hazards

not necessary, contains only small quantities of hazardous substances , contains only small amounts of these substances

### 14.6 Special precautions for user

not necessary

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

## SECTION 15: Regulatory Information

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

German act governing protection from hazardous substances (Chemicals Act / Chemikaliengesetz- ChemG), revised on August 2013  
German order governing protection from hazardous substances (Ordinance on Hazardous Substances / Gefahrstoffverordnung - GefStoffV), revised on November 2010, according to Directive 98/24/EC  
TRGS 200, German engineering rules governing the classification and labelling of hazardous substances, preparations and products, updated October 2011

### 15.2 Chemical safety assessment

not necessary for these small amounts

## SECTION 16: Other Information

### 16.1 List of R, H and P phrases

#### 16.1.1 List of relevant R phrases

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R32 Contact with acids liberates very toxic gas.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 16.1.2 List of relevant H phrases

H302 Harmful if swallowed.  
H412 Harmful to aquatic life with long lasting effects.  
EUH031 Contact with acids liberates toxic gas.

#### 16.1.3 List of relevant P phrases

P260D Do not breathe vapours.  
P273 Avoid release to the environment.  
P301+312 IF SWALLOWED: Call a POISON CENTER/doctor/...if you feel unwell.  
P330 Rinse mouth.

### 16.2 Training Advice

Regular safety training.

### 16.3 Recommended Restriction on Use

Only for professional user.  
An individual package of this product or test kit has a moderate hazardous potential.

### 16.4 Further Information

**Bioline Reagents Ltd** provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

**Bioline Reagents Ltd** makes NO REPRESENTATIONS or WARRANTIES, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly **Bioline Reagents Ltd** will not be responsible for damages resulting from use of or reliance upon this information. See terms and conditions at the end of our price lists for additional information.

### 16.5 Sources of Key Data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS  
Regulation 487/2013/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress  
TRGS 900, German engineering rules governing limits in air at work, updated February 2015  
SUVA .CH, Limits in air at work 2009, revised on 01.2009  
KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product form: Mixture  
Product name: 5 - 50 mL Wash Buffer CW (conc.)  
Cat. No.: BIO-52058, BIO-52059 & BIO-52060

REACH Registration number(s): see SECTION 3.1/3.2 or  
A registration number for the substance(s) does not exist because the annual tonnage does not require registration or the substance or its use is excluded from registration.

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

#### Relevant identified uses

Product for analytical use.

Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0  
The exposure scenario is integrated into sections 1-16.

#### Uses advised against

not described

### 1.3 Details of the supplier of the safety data sheet

Bioline Reagents Ltd.  
Humber Road  
London  
NW2 6EW  
United Kingdom  
T: +44 (0)20 8830 5300  
F: +44 (0)20 8452 2822

E-mail: [info.uk@bioline.com](mailto:info.uk@bioline.com)

### 1.4 Emergency telephone number

+49 (0) 7611 9240 (Germany)  
(24 hours, 7 days)

## SECTION 2: Hazard identification

### 2.1 Classification of the substance or mixture

#### 5 - 50 mL Wash Buffer CW (conc.)

*Directive 1999/45/EC*

Symbols - do not need labelling as hazardous

*CLP Directive 1272/2008/EC*

GHS pictograms - do not need labelling as hazardous  
Signal word -

No hazard class

### 2.2 Label elements

#### 5 - 50 mL Wash Buffer CW (conc.)

*Directive 1999/45/EC*

Symbols:

-

-

*CLP Directive 1272/2008/EC*

GHS pictograms:  
do not need labelling as hazardous  
Signal word: -



### 2.3 Other hazards

#### Possible Hazards from physicochemical Properties

According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with EC regulations 1272/2008/EC, 1907/2006/EC, 1999/45/EC and German Regulations for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit.

An individual package has considerably less hazardous potential.

#### Information pertaining to particular Risks to Human and possible Symptoms

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#### Information pertaining to particular Risks to the Environment

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#### Other Hazards

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## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances or 3.2 Mixtures

#### 5 - 50 mL Wash Buffer CW (conc.)

Chemical: *chemicals/mixture < 1%, no declaration necessary*

CAS No.: -

Concentration: 0,1 - 1 %

KE No.: listed

acc. 1999/45/EC: -

acc. CLP (GHS): not necessary

### 3.3 Remarks

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately.

#### 4.1.1 After SKIN Contact

Not necessary.

#### 4.1.2 After EYE Contact

Not necessary.

#### 4.1.3 After INHALATION of Vapours

Not necessary.

#### 4.1.4 After ORAL Intake

Not necessary.

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

Avoid inhalation of dust. ---

### 4.3 Indication of any immediate medical attention and special treatment needed

No additionally recommendations.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

### 5.2 Special hazards arising from the substance or mixture

None.

### 5.3 Advice for firefighters

No, for listed product. Product package burns like paper or plastic.

### 5.4 Additional Information

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Not necessary.

#### 6.2 Environmental precautions

not necessary

#### 6.3 Methods and material for containment and cleaning up

Clean working area with water. Flush used water into drains.

#### 6.4 Reference to other sections

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

#### 7.2 Conditions for safe storage, including any incompatibilities

The original product package allows a safe storage.

Storage class (VCI): 12

WGK (DE): 1

#### 7.2.1 Requirements for Stock Rooms and Containers

Keep original product packages tightly closed during handling and storage.

#### 7.3 Specific end use(s)

Product for analytical use.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

5 - 50 mL Wash Buffer CW (conc.)

Chemical: *chemicals/mixture < 1%, no declaration necessary*

CAS No.: -

#### 8.2 Exposure controls

Not necessary. Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities.

##### 8.2.1 Respiratory Protection

Not necessary.

##### 8.2.2 Hand Protection

Not necessary.

##### 8.2.3 Eye Protection

Not necessary.

##### 8.2.4 Skin Protection

Not necessary.

##### 8.2.5 Personal Hygiene

Information not necessary.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

5 - 50 mL Wash Buffer CW (conc.)

Appearance: liquid

Color: colourless

Odor: odorless

pH:

7-8

Specific gravity:

1.00 g/cm<sup>3</sup>

#### 9.2 Other information

Relevant Properties of Substance Group

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### 9.2.1

Data for the other parameters of the mixtures are not available, because no registration and no chemical safety report is required.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None

### 10.2 Chemical stability

No known instability.

### 10.3 Possibility of hazardous reactions

None.

### 10.4 Conditions to avoid

Or when indicated in packing insert.

### 10.5 Incompatible materials

Not necessary.

### 10.6 Hazardous decomposition products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

#### 5 - 50 mL Wash Buffer CW (conc.)

Chemical: *chemicals/mixture < 1%, no declaration necessary*  
Korea Exist.Chem.Inventory: listed

CAS No.: -

## SECTION 12: Ecological information

### 12.1 Toxicity

Following information is valid for pure substances.

#### 5 - 50 mL Wash Buffer CW (conc.)

Chemical: *chemicals/mixture < 1%, no declaration necessary*  
WGK (DE): 1  
Storage class (VCI): 12-13

CAS No.: -

### 12.2 Persistence and degradability

not necessary

### 12.3 Bioaccumulative potential

not necessary

### 12.4 Mobility in soil

not necessary

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no additional data available

### SECTION 13: Disposal considerations

Not necessary.

#### 13.1 Waste treatment methods

GENERAL: Empty solids into municipal waste, empty liquids diluted into drains. Normally it is possible to empty small amounts (diluted!) into drains.

### SECTION 14: Transport information

14.1 - 14.4: No dangerous goods according the transport regulations

#### 14.5 Environmental hazards

not necessary

#### 14.6 Special precautions for user

not necessary

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### SECTION 15: Regulatory Information

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

#### 15.2 Chemical safety assessment

not necessary for these small amounts

### SECTION 16: Other Information

#### 16.1 List of R, H and P phrases

##### 16.1.1 List of relevant R phrases

##### 16.1.2 List of relevant H phrases

##### 16.1.3 List of relevant P phrases

#### 16.2 Training Advice

Regular safety training.

#### 16.3 Recommended Restriction on Use

None

#### 16.4 Further Information

**Bioline Reagents Ltd** provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

**Bioline Reagents Ltd** makes NO REPRESENTATIONS or WARRANTIES, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly **Bioline Reagents Ltd** will not be responsible for damages resulting from use of or reliance upon this information. See terms and conditions at the end of our price lists for additional information.

#### 16.5 Sources of Key Data

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Regulation 487/2013/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

TRGS 900, German engineering rules governing limits in air at work, updated February 2015

SUVA .CH, Limits in air at work 2009, revised on 01.2009

KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product form: Mixture  
Product name: 10 - 30 mL Elution Buffer C  
Cat. No.: BIO-52058, BIO-52059 & BIO-52060  
REACH Registration number(s): see SECTION 3.1/3.2 or  
A registration number for the substance(s) does not exist because the annual tonnage does not require registration or the substance or its use is excluded from registration.

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

#### Relevant identified uses

Product for analytical use.

Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0  
The exposure scenario is integrated into sections 1-16.

#### Uses advised against

not described

### 1.3 Details of the supplier of the safety data sheet

#### Manufactured by:

Bioline Reagents Ltd.  
Humber Road  
London  
NW2 6EW  
United Kingdom  
T: +44 (0)20 8830 5300  
F: +44 (0)20 8452 2822

E-mail: [info.uk@bioline.com](mailto:info.uk@bioline.com)

### 1.4 Emergency telephone number

+49 (0) 7611 9240 (Germany)  
(24 hours, 7 days)

## SECTION 2: Hazard identification

### 2.1 Classification of the substance or mixture

#### 10 - 30 mL Elution Buffer C

*Directive 1999/45/EC*

Symbols - do not need labelling as hazardous

*CLP Directive 1272/2008/EC*

GHS pictograms - do not need labelling as hazardous  
Signal word -

No hazard class

### 2.2 Label elements

#### 10 - 30 mL Elution Buffer C

*Directive 1999/45/EC*

Symbols:

-  
-

*CLP Directive 1272/2008/EC*

GHS pictograms:  
do not need labelling as hazardous  
Signal word: -

# Elution Buffer C

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 20/01/17 Version: 1.0

### 2.3 Other hazards

#### Possible Hazards from physicochemical Properties

According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with EC regulations 1272/2008/EC, 1907/2006/EC, 1999/45/EC and German Regulations for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit.

An individual package has considerably less hazardous potential.

#### Information pertaining to particular Risks to Human and possible Symptoms

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#### Information pertaining to particular Risks to the Environment

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#### Other Hazards

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## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances or 3.2 Mixtures

#### 10 - 30 mL Elution Buffer C

Chemical: *chemicals/mixture < 1%, no declaration necessary*

CAS No.: -

Concentration: 0,1 - 1 %

KE No.: listed

acc. 1999/45/EC: -

acc. CLP (GHS): not necessary

### 3.3 Remarks

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately.

#### 4.1.1 After SKIN Contact

Not necessary.

#### 4.1.2 After EYE Contact

Not necessary.

#### 4.1.3 After INHALATION of Vapours

Not necessary.

#### 4.1.4 After ORAL Intake

Not necessary.

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

Avoid inhalation of dust. ---

### 4.3 Indication of any immediate medical attention and special treatment needed

No additionally recommendations.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

### 5.2 Special hazards arising from the substance or mixture

None.

### 5.3 Advice for firefighters

No, for listed product. Product package burns like paper or plastic.

### 5.4 Additional Information

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Not necessary.

#### 6.2 Environmental precautions

not necessary

#### 6.3 Methods and material for containment and cleaning up

Clean working area with water. Flush used water into drains.

#### 6.4 Reference to other sections

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

#### 7.2 Conditions for safe storage, including any incompatibilities

The original product package allows a safe storage.

Storage class (VCI):

12

WGK (DE):

1

#### 7.2.1 Requirements for Stock Rooms and Containers

Keep original product packages tightly closed during handling and storage.

#### 7.3 Specific end use(s)

Product for analytical use.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

10 - 30 mL Elution Buffer C

Chemical: *chemicals/mixture < 1%, no declaration necessary*

CAS No.: -

#### 8.2 Exposure controls

Not necessary. Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities.

##### 8.2.1 Respiratory Protection

Not necessary.

##### 8.2.2 Hand Protection

Not necessary.

##### 8.2.3 Eye Protection

Not necessary.

##### 8.2.4 Skin Protection

Not necessary.

##### 8.2.5 Personal Hygiene

Information not necessary.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

10 - 30 mL Elution Buffer C

Appearance: liquid

Color: colourless

Odor: odorless

pH:

8-9

Specific gravity:

1.0 g/cm<sup>3</sup>

#### 9.2 Other information

Relevant Properties of Substance Group

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### 9.2.1

Data for the other parameters of the mixtures are not available, because no registration and no chemical safety report is required.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None

### 10.2 Chemical stability

No known instability.

### 10.3 Possibility of hazardous reactions

None.

### 10.4 Conditions to avoid

Or when indicated in packing insert.

### 10.5 Incompatible materials

Not necessary.

### 10.6 Hazardous decomposition products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

#### 10 - 30 mL Elution Buffer C

Chemical: *chemicals/mixture < 1%, no declaration necessary*  
Korea Exist.Chem.Inventory: listed

CAS No.: -

## SECTION 12: Ecological information

### 12.1 Toxicity

Following information is valid for pure substances.

#### 10 - 30 mL Elution Buffer C

Chemical: *chemicals/mixture < 1%, no declaration necessary*  
WGK (DE): 1  
Storage class (VCI): 12-13

CAS No.: -

### 12.2 Persistence and degradability

not necessary

### 12.3 Bioaccumulative potential

not necessary

### 12.4 Mobility in soil

not necessary

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no additional data available



### SECTION 13: Disposal considerations

Not necessary.

#### 13.1 Waste treatment methods

GENERAL: Empty solids into municipal waste, empty liquids diluted into drains. Normally it is possible to empty small amounts (diluted!) into drains.

### SECTION 14: Transport information

14.1 - 14.4: No dangerous goods according the transport regulations

#### 14.5 Environmental hazards

not necessary

#### 14.6 Special precautions for user

not necessary

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### SECTION 15: Regulatory Information

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

#### 15.2 Chemical safety assessment

not necessary for these small amounts

### SECTION 16: Other Information

#### 16.1 List of R, H and P phrases

##### 16.1.1 List of relevant R phrases

##### 16.1.2 List of relevant H phrases

##### 16.1.3 List of relevant P phrases

#### 16.2 Training Advice

Regular safety training.

#### 16.3 Recommended Restriction on Use

None

#### 16.4 Further Information

**Bioline Reagents Ltd** provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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#### 16.5 Sources of Key Data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS

Regulation 487/2013/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

TRGS 900, German engineering rules governing limits in air at work, updated February 2015

SUVA .CH, Limits in air at work 2009, revised on 01.2009

KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)