

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### BAG-Elutions-Kit: Wash buffer (10x concentrate)

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

##### 1.1. Product identifier

BAG-Elutions-Kit: Wash buffer (10x concentrate)

##### **Further trade names**

Order-no.: 69501

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

##### **Use of the substance/mixture**

Elution System for acid elution of antibodies

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

Company name:	BAG Diagnostics GmbH	
Street:	Amtsgerichtsstr. 1-5	
Place:	D-35423 Lich	
Telephone:	+49 (0)6404 925-100	Telefax: +49 (0)6404 925-460
e-mail:	info@bag-diagnostics.com	
Contact person:	Dr. Evelyn Sachsenberg	Telephone: +49 (0)6404 925-217
e-mail:	e.sachsenberg@bag-diagnostics.com	
Internet:	<a href="http://www.bag-diagnostics.com">www.bag-diagnostics.com</a>	

##### 1.4. Emergency telephone number:

Extern: +49 (0)6131-19-240 Medizinische Klinik der Universität Mainz  
Intern: +49 (0)171-2157379

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

Hazard categories:  
 Acute toxicity: Acute Tox. 4  
 Hazardous to the aquatic environment: Aquatic Chronic 3  
 Hazard Statements:  
 Harmful if swallowed.  
 Harmful to aquatic life with long lasting effects.

##### 2.2. Label elements

**Hazardous components which must be listed on the label**  
 sodium azide

Signal word: Warning

Pictograms:



##### **Hazard statements**

H302 Harmful if swallowed.  
 H412 Harmful to aquatic life with long lasting effects.

##### **Precautionary statements**

P264 Wash ... thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P273 Avoid release to the environment.  
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 P330 Rinse mouth.  
 P501 Dispose of contents/container to ....

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Fluid solution of inorganic and organic components

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
26628-22-8	sodium azide			< 1%
	247-852-1	011-004-00-7		
	Acute Tox. 2, Aquatic Acute 1, Aquatic Chronic 1; H300 H400 H410 EUH032			

Full text of H and EUH phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Aerosols: Provide with fresh air. Seek medical advice.

#### After contact with skin

On contact with the skin, wash off immediately with soap and water. Seek medical advice.

#### After contact with eyes

On contact with the eyes, rinse the eyes with water with the eyelids open for a sufficient length of time, then seek medical (ophthalmological) advice immediately.

#### After ingestion

Rinse mouth and drink plenty of water. In case of indisposition seek medical advice.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Dry powder. Carbon dioxide. Dry fire-extinguishing media.

#### Unsuitable extinguishing media

Water. Foam.

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

With heating up or in case of open fire poisonous gases are possible.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

#### Additional information

Do not inhale combustible gases.

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Do not allow to enter drains/surface waters/groundwater. Treat recovered material as prescribed in "Disposal considerations".

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

Take up buried product. Usual absorbing materials are sufficient. Clean contaminated area with suitable disinfectants.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Observe the general safety regulations for laboratories. Wear suitable protective clothing, gloves and eye/face protection. Avoid skin and eye contact. Provide sufficient ventilation.

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

##### Requirements for storage rooms and vessels

Storage at 15° - 30°C

##### Further information on storage conditions

Consider instructions for use

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
26628-22-8	Sodium azide (as NaN <sub>3</sub> )	-	0.1		TWA (8 h)	WEL
		-	0.3		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### Protective and hygiene measures

While working wear laboratory coats, eye protection and gloves. Always wash hands with water and soap after test procedure. The glove material must be impervious against the product. Due to missing tests, no recommendations regarding the selection of the glove material can be given.

### SECTION 9: Physical and chemical properties

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

Physical state: liquid  
Colour: slightly yellow  
Odour: odourless

##### Test method

pH-Value: not applicable

##### Changes in the physical state

Melting point: (decomposition) 275 °C  
Initial boiling point and boiling range: (rigorous decomposition) 300 °C  
Sublimation point: Not available  
Softening point: Not available  
Flash point: Not available  
Ignition temperature: Not available

**Auto-ignition temperature** Not available

Density (at 20 °C): 1,846 g/cm<sup>3</sup>

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Water solubility:  
(at 17 °C) 420 g/L

Partition coefficient: Not available

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available

#### 10.2. Chemical stability

No information available

#### 10.3. Possibility of hazardous reactions

A risk of explosion and/or of toxic gas formation exists with the following substances: Water, acids, Heavy metals, metallic salts, Bromine, dimethylsulfate, Acid, dichloromethane, carbon disulfide, sulphuric acid, Halogenated hydrocarbon, Copper.

#### 10.4. Conditions to avoid

Strong heating above room temperature

#### 10.5. Incompatible materials

Aluminium

#### 10.6. Hazardous decomposition products

No information available

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

LD50 rat, 27 mg/kg

LD50 rabbit, 20 mg/kg

##### ATEmix calculated

ATE (oral) 555,6 mg/kg

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
26628-22-8	sodium azide	oral	ATE	5 mg/kg		

#### Carcinogenic/mutagenic/toxic effects for reproduction

Teratogenicity:

Did not show teratogenic effects in animal experiments.

#### Specific effects in experiment on an animal

For oral use:

Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

Inhalation:

Severe mucosal irritations, inhalation may lead to the formation of oedemas in the respiratory tract.

Symptoms may be delayed.

Skin Absorption:

Slight irritation.

#### Additional information on tests

Systemic effects: CNS disorders, Circulatory collapse, tachycardia, drop in blood pressure, Cough,

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Shortness of breath, Convulsions, Headache, Dizziness, Nausea, Vomiting, collapse, Unconsciousness.

#### Further information

The product has to be handled with the caution usual for chemicals.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxicity to fish:

LC50 *Lepomis macrochirus* (Bluegill sunfish), Dose 0,7 mg/l, Expose time 96h

Toxicity to daphnia and other aquatic invertebrates:

EC50 *Daphnia pulex* (Water flea), Dose 4,2 mg/l, Exposure time 48h

Toxicity to algae:

IC50 mixed culture of green algae, Dose 272 mg/l

Toxicity to bacteria:

EC50 *Photobacterium phosphoreum*, Dose 38,5 mg/l

#### Further information

Don't dispose to the environment!

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

All reagents, remainder and empty packing, which might contain potentially infectious material, must be inactivated before disposal (e.g. through autoclaving at 121°C). There are no standardized regulations in EEC for disposal and/ or residual substances. Chemicals, which result as residual substances, are usually hazardous waste. Their removal is regulated by appropriate laws and/ or regulations of the EEC-Member countries as well as for the Federal Republic of Germany. Please contact the competent authority (e.g. waste disposal enterprises).

### SECTION 14: Transport information

#### Other applicable information

The product is not subordinated to the transportation regulation.

### SECTION 15: Regulatory information

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

##### National regulatory information

Water contaminating class (D): 2 - water contaminating

##### Additional information

This MSDS meets the requirements of Regulation (EC) Nr. 1907/2006

### SECTION 16: Other information

#### Relevant H- and EUH-phrases (Number and full text)

H300	Fatal if swallowed.
H302	Harmful if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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EUH032 Contact with acids liberates very toxic gas.

#### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

#### Disclaimer

For in-vitro-diagnostic use only.