



## SAFETY DATA SHEET

### 1. Identification of the substance / preparation and company.

#### 1.1 Product identifier

Product Nr. CL01.0205

Trade name Barium standard solution 1000 µg/ml (Spectro ECON)

REACH A registration number is not available for this substance as the substance or its use are  
Registration exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the  
Number annual tonnage does not require a registration or the registration is envisaged for a later  
registration deadline.

CAS-No. 10326-27-9

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

Identified uses: Reagent for analysis

In compliance with the conditions described in the annex to this safety data sheet.

#### 1.3 Information provided by AnalytiChem Belgium NV product service.

Responsible department: AnalytiChem Belgium NV

Industriezone "De Arend" 2

B-8210 Zedelgem

BELGIUM

Tel. +32 50 28 83 20 e-mail: info.be@analytichem.com

#### 1.4 Emergency telephone: 00 (32) 50.28.83.20

### 2. Hazard identification

#### 2.1 Classification of the substance or the mixture (EG 1272/2008)

For the full text of H-sentences mentioned in this Section, see Section 16

For the full text of R-sentences mentioned in this Section, see Section 16

#### 2.2 GHS-Labelling

This substance is not classified as dangerous according to European Union legislation.

### 3. Composition / Information on ingredients.

#### 3.1 Substance

Not applicable

#### 3.2 Mixture

CAS-No. 10326-27-9

EC-Nr 233-788-1

Formula BaCl<sub>2</sub>/H<sub>2</sub>O

### 4. First aid measures.

#### 4.1 Description of first aid measures

##### General advice

First-aid personnel: ensure self-protection!

After inhalation: None

After contact with skin: None

After contact with eyes: Rinse out with plenty of water with the eyelid held wide open.

After ingestion: None

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

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

No data available

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### **5. Fire fighting measures.**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In adaption to materials stored in the immediate neighbourhood.

##### **Unsuitable extinguishing media**

Not of application.

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

Not of application.

#### **5.3 Advice for firefighters**

Not of application.

#### **5.4 Further information**

No data available

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### **6. Accidental release measures.**

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

When used appropriate no negative effects are known.

For personal protection see section 8.

#### **6.2 Environmental precautions**

No special dangers are known by use.

#### **6.3 Methods and materials for containment and cleaning up**

Dilute with large quantities of water.

#### **6.4 Reference to other sections**

For disposal see section 13.

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### **7. Handling and storage.**

#### **7.1 Precautions for safe handling**

No special measures necessary. The product should be handled with the care usual when dealing with chemicals.

For precautions see section 2.2

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

Tightly closed.

Recommended storage temperature see product label.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## 8. Exposure controls - Personal protection.

### 8.1 Control parameters

### 8.2 Exposure controls

#### Engineering measures

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

See section 7.1

#### Individual protection measures

Immediately change contaminated clothing. Wash hands after working with substance.

#### Respiratory protections

Required when vapours/aerosols are generated.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### Eye protection

Required.

#### Hand protection

Not required.

#### Body protection

Not required.

#### Environmental exposure controls

No special dangers are known by use.

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## 9. Physical and chemical properties.

### 9.1 Information on basic physical

#### Appearance

Form: Liquid  
Colour: Colourless  
Odour: Odourless

#### Changes in physical state

Melting Point: 0°C  
Boiling point: 100°C  
Flash point: -  
Self Ignition temperature: -  
Mol. Weight: 244.28 g/mol  
Density: 1,00 g/ml  
pH value: pH ± 6  
Solubility in water: soluble  
Explosion limits:

### 9.2 Other data

No further relevant information available.

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## **10. Stability and reactivity.**

### **10.1 Reactivity**

See section 10.3

### **10.2 Chemical stability**

No further relevant information available.

### **10.3 Possibility of hazardous reactions**

Dangerous reactions are not expected handling the product according to its intended use.

### **10.4 Conditions to avoid**

No further relevant information available.

### **10.5 Incompatible materials**

No further relevant information available.

### **10.6 Hazardous decomposition products**

No further relevant information available.

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## **11. Toxicological information.**

### **11.1 Information on toxicological effects**

Acute oral toxicity

Quantitative data on the toxicity of this product are not available.

Acute inhalation toxicity

No further relevant information available.

Acute dermal toxicity

No further relevant information available.

Skin irritation

No further relevant information available.

Eye irritation

No further relevant information available.

Sensitisation

No further relevant information available.

Germ cell mutagenicity

No further relevant information available.

Carcinogenicity

No further relevant information available.

Reproductive toxicity

No further relevant information available.

Teratogenicity

No further relevant information available.

Specific target organ toxicity - single exposure

No further relevant information available.

Specific target organ toxicity - repeated exposure

No further relevant information available.

Aspiration hazard

No further relevant information available.

## **11.2 Further information**

No further relevant information available.

Further data:

Handle in accordance with good industrial hygiene and safety practice..

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## **12. Ecological information.**

### **12.1 Toxicity**

No further relevant information available.

### **12.2 Persistence and degradability**

No further relevant information available.

### **12.3 Bioaccumulative potential**

No further relevant information available.

### **12.4 Mobility in soil**

No further relevant information available.

### **12.5 Results of PBT and vPvB assessment**

No further relevant information available.

### **12.6 Other adverse effects**

No ecological problems are to be expected when the product is handled and used with due care and attention

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## **13. Disposal considerations.**

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Chem-lab product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

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## **14. Transport information.**

### **Land Transport (ADR/RID)**

<b>14.1 UN number</b>	UN
<b>14.2 Proper shipping name</b>	-
<b>14.3 Class</b>	
<b>14.4 Packing group</b>	-
<b>14.5 Environmentally hazardous</b>	-
<b>14.6 Special precautions for user</b>	no
Tunnel restriction code	

### **Inland waterway transport (ADN)**

Not relevant

### **Air Transport (IATA)**

<b>14.1 UN number</b>	UN
<b>14.2 Proper shipping name</b>	-
<b>14.3 Class</b>	
<b>14.4 Packing group</b>	-
<b>14.5 Environmentally hazardous</b>	-
<b>14.6 Special precautions for user</b>	no

### **Sea Transport (IMDG)**

<b>14.1 UN number</b>	UN
<b>14.2 Proper shipping name</b>	-
<b>14.3 Class</b>	
<b>14.4 Packing group</b>	-
<b>14.5 Environmentally hazardous</b>	-
<b>14.6 Special precautions for user</b>	no

#### **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant

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#### **15. Regulatory information.**

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

For this product an assessment was not carried out.

##### **15.2 Chemical Safety Assessment**

For this product an assessment was not carried out.

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#### **16. Other information.**

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