AnalytiChem Belgium NV
Industriezone “De Arend” 2
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# SAFETY DATA SHEET

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

### 1.1 Product identifier

| | |
|---|---|
| Product Nr. | CL03.1119 |
| Trade name | Potassium chloride solution 100 µS/cm (Conductivity standard) |
| REACH Registration Number | 01-2119539416-36 |
| CAS-No. | 7447-40-7 |

### 1.2 Relevant identified uses of the substance or mixture and uses adviced 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

Hazardous Ingredients:
Name according to EC directives:

| Component | Cas-No. | Concentration | Classification (REGULATION (EC) No 1272/2008) |
|---|---|---|---|
| Potassium chloride (ultra pure) | 7447-40-7 | <0,1% | |
| Water (Ultra Pure) | 7732-18-5 | ≥90% | |

| Component | Reach Number |
|---|---|
| Potassium chloride (ultra pure) | 01-2119539416-36 |

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

## 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: None

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

## 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

## 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.

## 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

None
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 specificlly 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**
Not required.

**Respiratory protections**
Not required.
The entrepeneur 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

| | |
|---|---|
| Appearence | |
| Form: | Liquid |
| Colour: | Colourless |
| Odour: | Odourless |
| Changes in physical state | |
| Melting Point: | 0°C |
| Boiling point: | 100°C |
| Flash point: | - |
| Self Ignation temperature: | - |
| Mol. Weight: | 74.56 g/mol |
| Density: | 1,00 g/ml |

| | |
|---|---|
| pH value: | pH ± 5 |
| 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 toxity
Quantitative data on the toxicity of this product are not available.

Acute inhalation toxity
No further relevant information available.

Acute dermal toxity
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 toxity
No further relevant information available.

Teratogenicity
No further relevant information available.

Specific target organ toxity - single exposure
No further relevant information available.

Specific target organ toxity - 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..

## 12. Ecological information.

**12.1 Toxity**

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 hand led and used with due care and attention

## 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.

## 14. Transport information.

**Land Transport (ADR/RID)**

| | |
|---|---|
| **14.1 UN number** | UN |
| **14.2 Proper shipping name** | - |
| **14.3 Class** | |
| **14.4 Packing group** | |
| **14.5 Environmentally hazardous** | - |
| **14.6 Special precautions for user** | no |

Tunnel restriction code

**Inland waterway transport (ADN)**

Not relevant

**Air Transport (IATA)**

| | |
|---|---|
| **14.1 UN number** | UN |
| **14.2 Proper shipping name** | - |
| **14.3 Class** | |
| **14.4 Packing group** | |
| **14.5 Environmentally hazardous** | - |
| **14.6 Special precautions for user** | no |

**Sea Transport (IMDG)**

| | |
|---|---|
| **14.1 UN number** | UN |
| **14.2 Proper shipping name** | - |
| **14.3 Class** | |
| **14.4 Packing group** | |
| **14.5 Environmentally hazardous** | - |
| **14.6 Special precautions for user** | 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 speficic for the substance or mixture**
For this product an assessment was not carried out.

**15.2 Chemical Safety Assesment**
For this product an assessment was not carried out.

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## 16. Other information.

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate at the date of publications. Although outmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.