



## SAFETY DATA SHEET

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

#### **1.1 Product identifier**

Product Nr. CL02.1126  
Trade name Potassium iodide 10% solution  
REACH Registration Number 01-2119906339-35  
CAS-No. 7681-11-0

#### **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)**

Specific target organ toxicity - repeated exposure, Categorie 1, H372

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**

GHS-Labelling Labelling (REGULATION (EC) No 1272/2008) (EG 1272/2008)  
Hazard pictograms:



Signal word:

Danger :

Hazard statements:

H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

P260 Do not breathe dust, fume, gas, mist, vapours, spray.  
P270 Do not eat, drink or smoke when using this product.  
P314 Get medical advice/attention if you feel unwell.  
P501 Dispose of contents/container in accordance with all

Reduced labelling  
Hazard pictograms:



Signal word:  
Danger :

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### **3. Composition / Information on ingredients.**

#### **3.1 Substance**

Not applicable

#### **3.2 Mixture**

CAS-No.	7681-11-0
EC-Nr	231-659-4
Formula	KI/H <sub>2</sub> O

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### **4. First aid measures.**

#### **4.1 Description of first aid measures**

##### **General advice**

First-aid personnel: ensure self-protection!

After inhalation: Remove to fresh air, seek medical advice.

After contact with skin: Wash off with plenty of water. Remove contaminated clothing.

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

After ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### **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**

Prevent fire-fighting water from entering surface water or groundwater.

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

Non-combustible.

#### **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

Do not allow to enter sewerage system.

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

Sweep up and place in a closed container for disposal.

### 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

Closed in the dark.

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/dust 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**  
Do not allow to enter sewerage system.

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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: 166.01 g/mol  
Density: 1,07 g/ml  
pH value: pH 7-8  
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  
LD<sub>50</sub> orl. mous 1862 mg/kg

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**

Do not allow to enter waters, waste water, or soil!

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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)**

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 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.**

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.

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

H372 Causes damage to organs through prolonged or repeated exposure.