




## 1 Identification of the substance/mixture and the company

1.1	Product identifier	<b>HydroQuant<sup>®</sup> Reagent Cl-1</b>
1.2	Use of substance	Reagent solution for the determination of chlorine/ozone REACH: The product is a preparation
1.3	Supplier	WAPOTEC GmbH Carola-Blome-Str. 7 A-5020 Salzburg Tel: +43 662 434342-0 Fax: +43 662 434342-3
	Contact	Mr. G. Weiss Email: <a href="mailto:office@wapotec.at">office@wapotec.at</a>
1.4	Emergency phone	+43 662 434342-0 Office hours: Mo – TH: 8.00 – 16.00 FR: 8.00 – 12.00

## 2 Hazard identification

- 2.1 Classification of the substance or mixture
- Pursuant to the EU legislation (regulation (EC) 1272/2008) this product is classified as non-hazardous.
-  According to regulation (EC) 1999/45:  
Xn harmful.
- 2.2 Labelling elements
-  According to regulation (EC) 1272/2008:  
Void. According to regulation (EC) 1272/2008 this product is not subject to classification  
According to GHS regulation this product is non-hazardous.
-  According to regulation (EC) 1999/45



harmful

R21/22: Harmful in contact with skin and if swallowed  
S1/2: Keep locked up and out of reach of children.  
S44: If you feel unwell seek medical advice (show the label where possible)

- 2.3 Special risks  
None known.

### 3 Composition/information on ingredients

3.1 **Chemical characterization:** Aqueous solution

3.2 **Mixtures:** non applicable

3.2 **Chemical name:**

3.3 Chemical name

CAS-Nr.	EC-Nr.	INDEX-Nr.	classification
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Voluntary statements:

di-potassium hydrogen phosphate

CAS-Nr.	7758-11-4
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EC-Nr.	231-834-5
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### 4 First-aid measures

4.1 Description of first aid measures

**After inhalation:**

Fresh air. Consult a doctor.

**After skin contact:**

Wash off with plenty of water; remove contaminated clothing immediately. Consult a physician at once.

**After eye contact:**

Rinse out with plenty of water with the eyelid open, for at least 10 minutes. Consult an oculist immediately.

**After swallowing:**

Make victim drink plenty of water (400-500 ml) immediately. Avoid vomiting. Do not try to neutralize. Consult a doctor immediately.

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

No further relevant information available.

4.3 Indication of any medical attention and special treatment needed.

No further relevant information available.

### 5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt extinguishing media to suit the environment.

☾ Not suitable for safety reasons

For this substance/mixture no limitations of extinguishing agents are given.

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

Non-flammable. Development of hazardous combustion gases or vapours possible in the event of fire.

#### 5.3 Advice for fire-fighting

☾ Special protective equipment for fire-fighting

Stay in the dangers area only with breathing apparatus independent of circulating air.  
Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

☾ Additional information

Prevent water for fire-fighting from entering surface waters or ground water.

Suppress gases/vapours with a water spray jet.

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## 6 Measures in the event of unintentional release

### 6.1 Personal precautions

Do not breathe gas/spray. Avoid substance contact. Ensure adequate ventilation.

### 6.2 Environmental precautions

Do not empty into drains.

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

Absorb with liquid-absorbing and neutralizing material. Forward for disposal. Final cleaning.

### 6.4 Reference to other sections

Protective measures: see point 8

Disposal see point 13

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## 7 Handling and storage

### 7.1 Precautions for safe handling

Observe directions on label and instructions for use.

Handling according to the guidelines for laboratories.

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

Further information on storage conditions.

Tightly closed.

☾ Fire and explosion protection

No special measures required.

☾ Requirements for storage rooms

No special requirements for storage rooms.

☉ Material incompatibility

None known.

☉ Recommended storage temperature +5 to + 35 °C, protect from sunlight

☉ VbF classe non applicable

7.3 Specific end uses

Reagent solution for the determination of chlorine/ozone



## 8 Exposure controls and personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Limitation and monitoring of exposure.

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

☉ General protection and hygiene measures

The usual caution measures while dealing with chemicals have to be observed.

Keep away from food, drink and animal feeding-stuffs. Do not eat and drink while working.

Wash hands before breaks and at the end of work. Immediately remove contaminated soaked clothing.

Select materials and equipment for physical protection depending on the concentration and volume of hazardous substances and the workplace involved. The chemical resistance of the protective equipment should be enquired at the respective supplier.

☉ Respiratory protection

Respiratory protection required when vapours/aerosols are generated.

Recommended filter type: filter E

☉ Hand protection

Full contact/ splash contact:

Material of gloves: Nitrile rubber

Glove thickness: 0,11 mm

Breakthrough time: > 480 min

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374. The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN 374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data Sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

☉ Eye protection

Protective goggles

☉ Body protection

Normal workwear

Change contaminated clothing and immerse in water.

Preventive skin protection. Wash hands and face after the end of work.



## 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

☉ <b>Aggregate state</b>	Liquid
☉ <b>Colour</b>	Colourless
☉ <b>Odour</b>	Odourless
☉ <b>pH-value</b>	8,0 (20° C)
☉ <b>Viscosity, dynamic</b>	Not available
☉ <b>Melting point</b>	Not available
☉ <b>Boiling point</b>	Appr. 105 °C
☉ <b>Ignition temperature:</b>	Not available
☉ <b>Flash point</b>	Not available
☉ <b>Flammability:</b>	Not available
☉ <b>Oxidizing properties</b>	Not available
☉ <b>Steam pressure:</b>	Not available
☉ <b>Density:</b>	1,6 g/cm <sup>3</sup>
☉ <b>Solubility:</b>	Not available
☉ <b>Water solubility:</b>	Soluble at 20° C
☉ <b>Evaporation rate:</b>	Not available

9.2 Further information

None



## 10 Stability and reactivity

10.1 Reactivity

No dangerous reactions if used according to specification.

- 10.2 Chemical stability  
The product is considered chemically stable under normal ambient conditions of temperature (room temperature).
- 10.3 Possibility of hazardous reactions  
No data available.
- 10.4 Conditions to avoid  
No data available.
- 10.5 Incompatible materials  
No data available.
- 10.6 Hazardous decomposition products  
In the event of fire: See chapter 5.

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## 11 Toxicological information

### 11.1 Information on toxicological effects

 Acute inhalational toxicity

We have no quantitative data concerning the toxicity of this product.

 Skin irritation: Slight irritations Eye irritation: Slight irritations Genotoxicity in vitro:

Ames test:

Result: negative (compared with the pure substance, IUCLID)

 Teratogenicity:

Product does not show any mutagenic effects in animal studies. (compared to the pure substance, IUCLID).

 Additional information:

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

After absorption of toxic quantities:

Malaise, vomiting, possible allergic reaction.

### 11.2 Further data:

The general precautionary measures about the use of chemicals have to be considered.

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## 12 Ecological information

### 12.1 Toxicity:

 Ecotoxicity:

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

#### 12.2 Persistence and degradability

No relevant information available.

#### 12.3 Bioaccumulation

No further relevant information available.

#### 12.4 Mobility in the soil

No further relevant information available.

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

PBT: not applicable.

vPvB: not applicable.

#### 12.6 Further ecologic data.

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



### 13 Disposal consideration

#### 13.1 Waste treatment measures

Chemicals must be disposed of in compliance with the directive 2008/98/EC as well as with the respective national and regional regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

#### 13.2 Uncleaned packaging

Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.



### 14 Transport information

This product is not subject to transport regulations

#### 14.1 UN-Number

Not applicable.

#### 14.2 UN proper shipping name

Not applicable.

#### 14.3 Transport hazard class

Not applicable

#### 14.4 Packaging group

Not applicable.

#### 14.5 Environmental risks

Not applicable

#### 14.6 Handling precautions for users

Not applicable

14.7 Transportation in bulk according to Annex II of MARPOL73/78 and IBC-code

Not applicable

## 15 Legislation

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

### Safety precautions:

P280: Wear protective gloves/protective clothing/ eye protection/face protection.

P301 +P330+P331: If swallowed: Rinse mouth. Do not induce vomiting.

P305+P351 +P338: If in eyes: Rinse with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P309: If exposed or you feel unwell

P310: Call a POISON CENTER or doctor/physician immediately.

### Labeling according to EU-Directive 1999/45/EC

Symbol:



harmful

R-phrases:

R21/22: Harmful in contact with skin and if swallowed.

S-phrases:

S1/2: Keep locked up and out of reach of children.

S44: If you feel unwell seek medical advice (show the label where possible)

Upon contact with skin wash with a lot of water immediately and consult a doctor/physician.

During work wear suitable protective clothing, protective gloves and safety glasses/ facial protection. In the case of an accident or sickness, ask for medical advice immediately (show label, if possible).

 **Storage category: VCI**

10-13 other liquids and solids

 **Water hazard class**

WGK (German Water hazard Classification) 1  
slightly hazardous for water (self-assessment)

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

## 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

 Edition:

1, adjustment to regulations (EC) Nr. 453/2010



HydroQuant® Reagent Cl-1



 Created by:

WAPOTEC GmbH

