Safety data sheet
according to
Regulation (EC) 1907/2006

created: 05.10.2010
updated: 31.01.2019

Section 1 Identification of the substance/mixture and the company

1.1 Product identifier **HydroQuant® reagent CI-3**

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

Use of substance: Specific analysis (water)

1.3 Supplier

WAPOTEC GmbH
Franz-Sauer-Strasse 44
A-5020 Salzburg
Tel: +43 662 434342-0
Fax: +43 662 434342-3

Contact

Mr. G. Weiss
Email: office@wapotec.at

1.4 Emergency phone

+43 662 43 43 42-0
Office hours: MO - TH: 8.00 - 16.00, FR: 8.00 - 12.00

Toxicity information centre Vienna:
Phone: +43 1 406 43 43
Available 0-24h

Section 2 Hazards identification

2.1 Hazard classification of substance or mixture

According to Directive (EC) N° 1272/2008

Hazard categories: Spezific target organ toxicity – repeated exposure: STOT RE 2

Hazard Statements: May cause damage to organs through prolonged or repeated exposure

2.2 Label elements

According to Directive (EC) 1272/2008

Hazard components for labelling: Potassium iodide

Signal words: Warning

Pictograms:

Hazard statements

H373 May cause damage to organs through prolonged or

repeated exposure

Precautionary statements

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P314	Get medical advice/attention if you feel unwell.
P501	Dispose of waste according to applicable legislation.

2.3 Other hazards.

No information available.

Section 3 Composition/information on ingredients

3.2 Mixtures

- Chemical characteristics

Name	CAS # / EC # / Index # REACH No	Conc..%	Classification according to Regulation (EC) 1272/2008*	
Potassium iodide	7681-11-0 231-659-4 --- 01-2119906339-35	5- <10 %	STOT RE 1	H372

*For the wording of H-phrases and danger classification see section 16.

Section 4 First-aid measures

4.1 Description of first aid measures

- After inhalation

Supply fresh air. Get medical advice/attention.

- After skin contact

Wash with plenty of soap and water. Immediately remove contaminated clothing. Get medial advice/attention.

- After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water holding eye lids open. In case of eye irritation consult an ophthalmologist.

- After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Do NOT Induce vomiting. Get medical advice/attention.

4.2 Most important symptoms and effects, acute and delayed

No information available.

4.3 Indications for immediate medical attention or special treatment needed

Treat symptomatically.

Section 5 Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Non-flammable.

5.3 Special protective actions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

- Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and suitable emergency procedures.

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up.:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). treat the recovered material as prescribed in the section on waste disposal.

6.4 Additional information

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13.

Section 7 Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

No special measures are necessary.

7.3 Specific end uses

Specific analysis (water).

Section 8 Exposure controls and personal protection

8.1 Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Do not breathe gas/fumes/vapour/spray.

Eye/face protection

Wear eye protection/face protection

Hand protection

Wear protective gloves.
When handling chemical substances, only chemical protective gloves with CE-label including the four control digits must be worn. Chemical protective

gloves must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances. It is recommended to check the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Do not allow to enter into surface water or drains.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	colourless
Odour	odourless
pH value (20 °C)	6.5 – 7.5
Changes of physical state	
Melting point	not determined
Initial boiling point and boiling range	not determined
Flash point	not determined
Flammability	
Solid	not applicable
Gas	not applicable
Explosion hazards	The product is not: Explosive
Lower explosion limit	not determined
Upper explosion limit	not determined
Ignition temperature	not determined
Auto-ignition temperature	
Solid	not applicable
Gas	not applicable
Decomposition temperature	not determined
Oxidizing properties	not oxidising
Vapour pressure	not determined
Density	not determined

Water solubility	very soluble
Solubility in other solvants	not determined
Partition coefficient	not determined
Viscosity / dynamic	not determined
Viscosity / kin. (bei 40 °C)	(estimated) 1 – 1.5 mm^2/s
Vapour density	not determined
Evaporation rate	not determined

9.2. Other information

Odour threshold: not applicable.

Section 10 Stability and reactivity

10.1 Reactivity

No hazardous reaction handled and stored according to provisions.

10.2 Chemical stability

The product is stable under normal ambient temperatures..

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible material

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

Section 11 Toxicological information

11.1 Information on toxicological effects

- LD/LC_{50} values of individual components relevant for classification (literature values)

CAS-Nr.	Chemical name				
	Exposure route	Dose	Species	Source	Method
7681-11-0	Potassium iodide				
	oral	LD50 2779 mg/kg	Rat	Manufacturer	
	Dermal	LD50 >2000 mg/kg	Rat	Manufacturer	OECD 402

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (Potassium iodide)

Aspiration hazard.

Based on available data, the classification criteria are not met.

Section 12 Ecological information

12.1 Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] / [d]	Species	Source	Method
7681-11-0	Potassium iodide					
	Acute fish toxicity	LC50 >100 mg/l	96 h	*Brachydanio rerio* (zebra-fish)	Manufacturer	OECD 203

12.2 Persistence and degradability

The product has not been tested.

12.3 Bioaccumulation potential

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT- and vPvB-assessment

The product has not been tested.

12.6 Other adverse effects

No information available.

Further information

Avoid release to the environment.

Section 13 Disposal considerations

13.1 Waste treatment methods

Advice on disposal

Do not allow to enter surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging material

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

Section 14 Transport information

No dangerous good according to regulation for transport of dangerous goods.

14.1 UN-Number

ADR, RID, ADN, IMDG, IATA: Void

14.2 Proper UN-shipping name

ADR, RID, ADN, IMDG, IATA: Void

14.3 Transport hazard class

ADR, RID, ADN, IMDG, IATA: Void

14.4 Packaging group

ADR, RID, ADN, IMDG, IATA: Void

14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no.

14.6 Special precautions for user

No information available.

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

Not applicable.

Section 15 Regulatory information

15.1 Safety-, health-, ambient- and legislation specific instructions for substance or mixture

EU regulatory information

Information according to 2012/18/EU (SEVESO III)	Not subject to 2012/18/EU (SEVESO III)
National regulatory information	
Employment restrictions	Observe restrictions to employment for juvenils according to the "juventile work protection guideline" 894/33/EC).
Water contaminating class (D):	1 – slightly water contaminating

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were carried out.

Section 16 Other information

The product is only described regarding safety requirements. Since unknown potential hazards can never be completely excluded, the product must be handled with the necessary care when handling chemicals and is only permitted for the uses listed in section 1.

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
STOT RE 2; H373	Calculation method

Relevant H-phrases and EUH statements (number and full text)

H372	Causes damage to organs (thyroid gland) through prolonged or repeated exposure if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure.
Short cut	ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road). IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50%

Further information

The information is based on the current state of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. Existing laws and regulations must be observed by the recipient of our products on his own responsibility.

(The data of the hazardous ingredients were taken from the sub-contractor's latest valid safety data sheet.)