

## QAC-HR RAPID

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 - Product identifier

Trade name/designation QAC-HR RAPID

Chemical name

Product-type Mixture

Product code TbsRQA

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

Relevant identified uses - Reagent for water analysis

Uses advised against - Other

#### 1.3 - Details of the supplier of the safety data sheet

Water-I.D. GmbH

Daimlerstr. 20

76344 Eggenstein Germany

Telephone : +49 (0) 721 - 78 20 29 - 0 Fax +49 (0) 721 - 78 20 29 - 11

Website [www.water-id.com](http://www.water-id.com)

EHS / Compliance: [lab@water-id.com](mailto:lab@water-id.com)

#### 1.4 - Emergency telephone number

- Poison Control Center Munich

Tel: +49 (0) 89 / 19 24 0

Germany

24 hour service

Languages: German, English

please also call from: United Kingdom

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2	Irritation, Category 2
Eye Dam. 1	Serious eye damage, Category 1

#### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Danger

Hazard pictograms



Hazard statements

H315	Causes skin irritation
H318	Causes serious eye damage

Precautionary statements

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P264	Wash hands thoroughly after handling.
P280	Wear protective gloves, protective clothing, eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER, a doctor.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
EUH-phrases	: None

### 2.3 - Other hazards

PBT-substance. - No information available.

vPvB-substance. - No information available.

Other hazards which do not result in classification - No information available.

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

- The percentage of lithium hydroxide monohydrate is given based on lithium hydroxide.

Chemical name	No	%	Class	Spec. concentrations
Lithium hydroxide monohydrate	CAS No. : 1310-66-3 Index No. : EC No. : 215-183-4	1 - < 5	Acute Tox. 4 Oral - H302 Skin Corr. 1B - H314	Not applicable

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

Following inhalation

- Provide fresh air.
- When in doubt or if symptoms are observed, get medical advice.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin irritation, consult a physician.

After eye contact

- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - Causes skin irritation.

Symptoms and effects - After eye contact - Serious eye damage/eye irritation

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Symptoms and effects - After ingestion - No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

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### SECTION 5: Firefighting measures

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5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO<sub>2</sub>)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products - No information available.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.  
- Move undamaged containers from immediate hazard area if it can be done safely.

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### SECTION 6: Accidental release measures

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6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.
- Remove all sources of ignition.
- Avoid dust formation.

For emergency responders - No information available.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up

- Take up mechanically.
- Wash with plenty of water.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: see section 13  
- Personal protection equipment: see section 8

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### SECTION 7: Handling and storage

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### 7.1 - Precautions for safe handling

#### Recommendation

- Avoid: Eye contact
- Avoid: Generation/formation of dust
- It is recommended to design all work processes always so that the following is excluded: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Generation/formation of dust
- It is recommended to design all work processes always so that the following is excluded: generation/formation of aerosols
- When using do not smoke.
- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Use only in well-ventilated areas.
- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact

#### Advices on general occupational hygiene

- No information available.

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

- Storage class Flammable solids
- Keep container tightly closed and in a well-ventilated place.
- Do not store together with: Combustible substance
- Protect against: Heat

### 7.3 - Specific end use(s)

- Reagent for water analysis

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## SECTION 8: Exposure controls/personal protection

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### 8.1 - Control parameters

### 8.2 - Exposure controls

#### Appropriate engineering controls

- No information available.

#### Individual protection measures, such as personal protective equipment

- Suitable protective clothing: lab coat

- Suitable eye protection: Eye glasses with side protection

- Tested protective gloves must be worn



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- Suitable material: NBR (Nitrile rubber)

- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Barrier creams are not substitutes for body protection.

### SECTION 9: Physical and chemical properties

#### 9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Solid	<u>Appearance</u>	Tablets
<u>Colour</u>	blue	<u>Odour</u>	odourless
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		partially soluble	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

#### 9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

### SECTION 10: Stability and reactivity

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### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

- In case of warming: Ignition hazard
- In fine dispersion/spraying/misting: Danger of dust explosion.

### 10.5 - Incompatible materials

- No information available.

### 10.6 - Hazardous decomposition products

- No information available.

## SECTION 11: Toxicological information

### 11.1 - Information on toxicological effects

Acute toxicity - Not classified

#### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

#### Toxicity : Substances

Lithium hydroxide monohydrate (1310-66-3)	
LD50 oral (rat)	368 mg/kg
LC50 inhalation dusts and mists (rat)	> 6,15 mg/l 4h ( OECD Guideline 403)

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation  
- Irritating to skin.

Serious eye damage/eye irritation - Serious eye damage, Category 1 - Causes serious eye damage  
- Risk of serious damage to eyes.  
- Causes serious eye irritation.

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<u>Respiratory or skin sensitisation</u>	- Not classified
<u>Germ cell mutagenicity</u>	- Not classified
<u>Carcinogenicity</u>	- Not classified
<u>Reproductive toxicity</u>	- Not classified
<u>STOT-single exposure</u>	- Not classified
<u>STOT-repeated exposure</u>	- Not classified
<u>Aspiration hazard</u>	- Not classified

### SECTION 12: Ecological information

#### 12.1 - Toxicity

##### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

##### Toxicity : Substances

Lithium hydroxide monohydrate (1310-66-3)	
EC50 48 hr crustacea	33,5 mg/l Daphnia magna (OECD Guideline 202)
LC50 96 hr fish	109 mg/l Danio rerio (OECD Guideline 203)
ErC50 algae	41,62 mg/l Pseudokirchneriella subcapitata

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

#### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

#### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

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- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

### 12.5 - Results of PBT and vPvB assessment

- No information available.

- No information available.

### 12.6 - Other adverse effects

- No information available.

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## SECTION 13: Disposal considerations

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### 13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - Dispose according to legislation.

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## SECTION 14: Transport information

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### 14.1 - UN number

Not applicable

### 14.2 - UN proper shipping name

### 14.3 - Transport hazard class(es)

### 14.4 - Packing group

### 14.5 - Environmental hazards

Additional information - No dangerous good in sense of these transport regulations.

### 14.6 - Special precautions for user

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

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## SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

### 15.2 - Chemical Safety Assessment



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Chemical safety assessment carried out for the product - No information available.

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### SECTION 16: Other information

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#### SDS versions

Version	Issue date	Description of the amendments
1	20.12.2018	MSDS creation

Abbreviations and acronyms - See overview table at [www.euphrac.eu](http://www.euphrac.eu)

#### Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Eye Dam. 1	Serious eye damage, Category 1
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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