



**SDS Acryl AquaClean**  
**according to Regulation (EC) No.: 1907/2006 (REACH) and 1272/2008 (CLP)**

Date of issue/last revision: 10/2018

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

- 1.1. Product-number:** WAK-AQA-250-50L  
**Trade name:** Acryl AquaClean
- 1.2. Application:** Additive to protect waterbaths and waterreservoirs in cell culture incubators from microbial contamination
- 1.3. Company Name:** WAK-Chemie Medical GmbH  
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**Clayton, VIC 3168**  
**Phone: 03 8540 5900 / Fax: +613 9543 7827**  
**Web: [www.scientifix.com.au](http://www.scientifix.com.au)**
- 1.4. Emergency phone:** 03 8540 5900  
(on weekdays during office hours, 9 am – 5 pm AEDT)

**2. Hazards identification**

**2.1. Classification of the substance or mixture according to EC No 1272/2008**

Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Skin Sens. 1; H317  
Aquatic Chronic 3; H412

**2.2. Label elements according to EC No 1272/2008**

Hazard pictograms (CLP): GHS07



Signal Word: WARNING  
Hazard Statements: Aquatic Chronic 3; H412  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Skin Sens. 1; H317

**2.3 Other Hazards**

Acryl AquaClean may be weakly irritant to eyes and mucosa in random cases. Avoid contact with eyes and mucosa. The concentrate of Acryl AquaClean is classified as 'harmful to aquatic organisms'. The diluted working solution (1:200) is appropriately diluted in order to be disposed via canalisation.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



### 3. Composition/information on ingredients

Unique blend of cationic tensides and auxilliary components.

Ingredients	CAS no./ EU no.	Conc.	Classification	
			EC No 1272/2008	
5-chloro-2-methyl- 3-isothiazolin-3-one Methylthiazolon	55965-84-9/ 247-500-7 220-239-6	< 0,1 % w/w	Acute Tox. 3 Acute Tox. 3 Acute Tox. 3 Skin Corr. 1B Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	H331 H311 H301 H314 H317 H400 H410
C. I. Acid Black	1064-48-8/ 213-903-1	< 5 % w/w	Eye Irrit. 2	H319
Mg(NO <sub>3</sub> ) <sub>2</sub> Magnesium nitrate	10377-60-3/ 233-826-7	< 5 % w/w	Ox. Sol. 2 Eye Irrit. 2 Skin Irrit. 2 STOT SE 3	H272 H319 H315 H335

(The phrases, symbols, categories, codings, hazard statements and precautionary statements of paragraph 3 respectively 16 only apply to the undiluted active ingredients. They do not apply to the solution at hand, Acryl AquaClean.)

### 4. First aid measures

#### 4.1. Description of first aid measures:

In case of ingestion wash mouth with water, drink plenty of water. Rinse eyes thoroughly with water after eye contact.

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

No data available.

#### 4.3. Indication of any immediate medical attention and special treatment needed:

If medical condition worsens, consult a physician. Treat allergic reactions symptomatically.

### 5. Fire fighting measures

#### 5.1. Extinguishing media

Non-inflammable, all extinguishing agents can be applied

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

Nature of combustion products not known.

#### 5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.



## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes and skin.

P261 Avoid breathing fume/vapours/spray. P264 Wash hands thoroughly after use.

P272 Contaminated work clothing should not be allowed out of the work place.

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

P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

### 6.2. Environmental precautions:

P273 Avoid release to the environment. Let not get in touch with surface waters. Dilute 1:200 and dispose via canalisation in accordance with local regulations.

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

Take up with absorbant material, rinse with water, dispose via canalisation.

### 6.4. Reference to other sections:

For disposal see section 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling:

Avoid contact with eyes and mucosa. Wear protective clothing (safety glasses with side protection, chloropren gloves). Do not breathe spray.

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

P402+P404 Store in a dry place. Store container closed. P410 Protect from sunlight. P411 Store at temperatures of not more than 35°C. Store light-protected at room temperature.

### 7.3. Specific end use(s):

#### General Application:

Acryl AquaClean is indicated for application in waterbaths and waterreservoirs inside cell culture incubators. It protects the water within these containers from microbial contamination.

Acryl AquaClean is especially material compatible with containers made of acrylic glass or aluminium.

The protection prevails for up to four weeks. The blue colour-indicator signals a beginning contamination by decolourization of the water.

#### Application in waterreservoirs inside cell culture incubators.

Acryl AquaClean is suited to be applied in the waterreservoirs inside cell culture incubators.

As the active ingredients of AquaClean are non-volatile there is no danger for the cell cultures stored inside the incubator to be invaded by the disinfectant via air.



## 8. Exposure controls/personal protection

### 8.1. Control parameters

Contains no substances with occupational exposure limit values. Active ingredients are non-volatile. Limitation and surveillance of exposure at workplace is not necessary.

### 8.2. Exposure controls

Avoid contact with eyes and skin.

P261 Avoid breathing fume/vapours/spray. P264 Wash hands thoroughly after use.

P272 Contaminated work clothing should not be allowed out of the work place.

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

P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties:

Appearance:	blue liquid
Odour:	odourless
Boiling point:	100° C
pH-value:	6,8
Specific weight:	1,01 g/cm <sup>3</sup>
Solubility:	without limit in water
Flaming point:	non flammable
Oxidizing properties:	none
Vapour pressure:	~ H <sub>2</sub> O
Chemical stability:	chemically stable
Water solubility:	without limit in water
n-octanol-water-partition-coefficient:	~ H <sub>2</sub> O
Viscosity:	~ H <sub>2</sub> O
Steam density:	~ H <sub>2</sub> O
Evaporation rate:	~ H <sub>2</sub> O

### 9.2. Other information:

Not data available.



## 10. Stability and reactivity

### 10.1. Reactivity:

No decomposition if stored and applied as intended.

### 10.2. Chemical stability:

The product is chemically stable.

### 10.3. Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4. Conditions to avoid:

Avoid temperatures above 35°C.

### 10.5. Incompatible materials:

Not data available.

### 10.6. Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In case of decomposition through heat very little amounts of HCl, NO<sub>x</sub>, SO<sub>2</sub> can be released.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

If used as intended no health-hazardous events are to be expected.

LD<sub>50</sub> rat: > 20 000 mg / kg body weight for the Acryl AquaClean concentrate

LD<sub>50</sub> rat: > 4 000 000 mg / kg body weight for the Acryl AquaClean working solution (diluted 1:200)

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

## 12. Ecological information

### 12.1. Toxicity:

Component: 5-Cl-2-methyl-3-isothiazolon-3on Methylthiazolon

Ecotoxicological Data:

LC<sub>50</sub> 96 h fish: 0,16 mg/l

LC<sub>50</sub> 48 h daphnia magna: 0,19 mg/l

IC<sub>50</sub> 72 h alga: 0,018 mg/l

Component: Benzyl alcohol

LC<sub>50</sub> 96 h fish: 646 mg/l

LC<sub>50</sub> 48 h daphnia magna: 400 mg/l

IC<sub>50</sub> 72 h alga: 640 mg/l



Component: Methylene blue  
LC<sub>50</sub> 96 h fish: 20,5 mg/l  
LC<sub>50</sub> 48 h daphnia magna: 2260 mg/l  
IC<sub>50</sub> 72 h algea: 0,5 mg/l

Component: Magnesium nitrate  
EC<sub>50</sub> daphnia magna: 32 mg/l  
EC<sub>50</sub> algea: 14 mg/l

Component: Nonylphenol  
LC<sub>50</sub> 96 h fish: 5–10 mg/l  
LC<sub>50</sub> 48 h daphnia magna: 10-20 mg/l  
IC<sub>50</sub> 72 h algea: 100-1000 mg/l

Component: C I Acid black No information available

**Degradability:**

The previous figures refer to the undiluted components, they do not apply for the solution AquaClean. This product contains only readily biodegradable substances. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

**12.2. Persistence and degradability:**

Biologically degradable

**12.3. Bioaccumulative potential:**

Not data available.

**12.4. Mobility in soil:**

Not data available.

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6. Other adverse effects**

Not data available.

**13. Disposal considerations**

Does not contain any substances that are not degradable in clarification plants. All compounds are sufficiently diluted in canalisation. The diluted working solution can be disposed via canalisation. In case of disposal of the concentrate, please dilute 1:200 prior to disposal via canalisation.

P501 Dispose of contents after dilution 1:200 to canalisation in accordance with local regulations.

P501 Dispose of container after rinsing to waste in accordance with local regulations.



**14. Transport information**

**ADR/RID/AND/IMG/IATA:**

14.1. UN class:	Not a hazardous substance or mixture.
14.2. Proper shipping name:	Not a hazardous substance or mixture.
14.3. Transport Hazard Class :	Not a hazardous substance or mixture.
14.4. Packing group:	Not a hazardous substance or mixture.
14.5. Environmental Hazard no.:	Not a hazardous substance or mixture.
14.6. Special precautions for enduser:	see sections 6. and 8.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	not applicable

**15. Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Labelling according EC No 1272/2008  
Aquatic Chronic 3; H412  
Eye Irrit. 2; H319  
Skin Sens. 1; H317  
Skin Irrit. 2; H315

**15.2. Chemical safety assessment:**

A chemical safety assessment is not required



**16. Other information**

**16.1. Explanation of phrases and symbols mentioned under paragraph 3.:**

H272	May intensify fire; oxidizer
H301	Toxic if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long-lasting effects
Eye Irrit.	Eye irritation
Acute Tox.	Acute toxicity
Skin Irrit.	Skin irritation
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Chronic aquatictoxicity
Ox. Sol	Oxidising Solids
Stot SE 3	Specific target organ toxicity – single exposure
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P362	Take off contaminated clothing.
P402+P404	Store in a dry place. Store in a closed container.

**(The phrases, symbols, categories, codings, hazard statements and precautionary statements of paragraph 3 respectively 16 only apply to the undiluted active ingredients. They do not apply to the solution at hand, Acryl AquaClean.)**

**16.2. The following methods according to Article 9 of regulation (EC) No. 1272/2008 for the assessment of information for the purpose of classification have been applied:**

Regulation (EC) No. 1272/2008, Annex VII (conversion chart)

**16.3. Changes since the last version:**

Reedited according to EC Regulation No. 1272/2008 (CLP Regulation)

Composed by: Florian Pobitschka  
Date of issue/last revision: September 2015  
Internal number: L-02-003-02-0-03

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