

## AquaSolv CF

Version number: 1.0

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

#### 1.1 Product identifier

Trade name **AquaSolv CF**

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

Relevant identified uses Transport medium for MIRA Analyzer

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

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73728 Esslingen Website: clade.io  
Germany

e-mail (competent person) nathalie.kittel@clade.io

National contact Telephone: +49 711-400 52 400  
e-Mail: info@clade.io

#### 1.4 Emergency telephone number

| Poison centre  |      |           |
|----------------|------|-----------|
| Country        | Name | Telephone |
| United Kingdom | NHS  | 111       |

As above or nearest toxicological information centre.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (acc. to GB CLP)

This mixture does not meet the criteria for classification.

#### 2.2 Label elements

##### Labelling (acc. to GB CLP)

Not required.

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

## Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

#### Hazardous ingredients acc. to GHS

None

#### Description of the mixture

This product does not meet the criteria for classification in any hazard class according to GHS.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### Following ingestion

Rinse mouth. Do not induce vomiting.

Get medical advice/attention if you feel unwell.

#### Notes for the doctor

None.

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

This information is not available.

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

None.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Co-ordinate firefighting measures to the fire surroundings

#### Unsuitable extinguishing media

water jet

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

Hazardous decomposition products: Section 10.

### 5.3 Advice for firefighters

Non-combustible.

In case of fire and/or explosion do not breathe fumes.

Co-ordinate firefighting measures to the fire surroundings.

Collect contaminated firefighting water separately.

Fight fire with normal precautions from a reasonable distance.

#### Special protective equipment for firefighters

Wear self-contained breathing apparatus

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Ventilate affected area.

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

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

#### Advice on how to clean up a spill

Collect spillage.

Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal.

Ventilate affected area.

## 6.4 Reference to other sections

Personal protective equipment: see section 8.  
Incompatible materials: see section 10.  
Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with eyes.  
Do not breathe vapour/spray.

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.

#### Specific notes/details

None.

#### Measures to protect the environment

Avoid release to the environment.

#### Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.  
Wash hands after use.  
Preventive skin protection (barrier creams/ointments) is recommended.  
Remove contaminated clothing and protective equipment before entering eating areas.

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

#### Flammability hazards

None.

#### Incompatible substances or mixtures

Incompatible materials: see section 10.

#### Protect against external exposure, such as

frost

#### Consideration of other advice

Keep away from food, drink and animal feedingstuffs.

#### Ventilation requirements

Provision of sufficient ventilation.

#### Specific designs for storage rooms or vessels

Keep container tightly closed and in a well-ventilated place.

#### Storage temperature

recommended storage temperature: 10 - 30 °C

#### Packaging compatibilities

Keep only in original container.

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values (Workplace Exposure Limits)

This information is not available

### 8.2 Exposure controls

#### Appropriate engineering controls

Use local and general ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Use protective eyewear to guard against splash of liquids.  
(EN 166).

##### Hand protection

| Protective gloves |                    |  |
|-------------------|--------------------|--|
| Material          | Material thickness | Breakthrough times of the glove material |
| Nitrile           | ≥ 0,11 mm          | >480 minutes (permeation: level 6)       |

The product is not irritating to the skin. Therefore, no skin protection measures are required under normal use.

With prolonged and intense use of the product it is recommended to use hand protection.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

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.

##### Body protection

Protective clothing against liquid chemicals.

(EN 13832, EN 340, EN 14605).

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

(EN 136, EN 140, EN 14387, EN 143, EN 149).

##### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                |            |
|----------------|------------|
| Physical state | liquid     |
| Colour         | colourless |

|   |  |
|---|--|
| <b>Odour</b>  | odourless  |
| <b>Melting point/freezing point</b>                             | 0 °C   |
| <b>Boiling point or initial boiling point and boiling range</b> | 100 °C   |
| <b>Flammability</b>   | non-combustible  |
| <b>Lower and upper explosion limit</b>                          | not determined   |
| <b>Flash point</b>  | not determined   |
| <b>Auto-ignition temperature</b>                                | not determined   |
| <b>Decomposition temperature</b>                                | not relevant   |
| <b>pH (value)</b>   | 6 – 8 (20 °C)  |
| <b>Kinematic viscosity</b>                                      | not determined   |
| <b>Dynamic viscosity</b>  | not determined   |
| <b>Solubility(ies)</b>  |  |
| Water solubility  | not miscible in any proportion                                 |
| <b>Partition coefficient n-octanol/water (log value)</b>        | not relevant<br>(inorganic)                                    |
| <b>Vapour pressure</b>  | 23 hPa at 20 °C  |
| <b>Density and/or relative density</b>                          |  |
| Density   | 1 g/cm <sup>3</sup> at 20 °C                                   |
| Relative vapour density   | information on this property is not available                  |
| <b>Particle characteristics</b>                                 | not relevant<br>(liquid)                                       |
| <b>9.2 Other information</b>                                    |  |
| <b>Information with regard to physical hazard classes</b>       | hazard classes acc. to GHS (physical hazards):<br>not relevant |
| <b>Other safety characteristics</b>                             | there is no additional information                             |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

## 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

See below "Conditions to avoid".

## 10.3 Possibility of hazardous reactions

No known hazardous reactions.

## 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

## 10.5 Incompatible materials

There is no additional information.

## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Classification procedure

If not otherwise specified the classification is based on:

Ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

This mixture does not meet the criteria for classification.

#### Acute toxicity

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

#### Respiratory or skin sensitisation

##### Skin sensitisation

Shall not be classified as a skin sensitiser.

##### Respiratory sensitisation

Shall not be classified as a respiratory sensitiser.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

**Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

**Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

**11.2 Information on other hazards****Endocrine disrupting properties**

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity (acute)**

No data available.

**Aquatic toxicity (chronic)**

No data available.

**12.2 Persistence and degradability****Biodegradation**

No data available.

**Persistence**

No data available.

**12.3 Bioaccumulative potential****n-octanol/water (log KOW)**

not relevant  
(inorganic)

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

**12.6 Endocrine disrupting properties**

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

**12.7 Other adverse effects**

Data are not available.

**Remarks**

Wassergefährdungsklasse, WGK (water hazard class): Nwg.



**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Sewage disposal-relevant information**

Do not empty into drains.

**Waste treatment of containers/packagings**

Completely emptied packages can be recycled.

Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions.

**SECTION 14: Transport information**

|             |  |              |
|-------------|--|--------------|
| <b>14.1</b> | <b>UN number</b>   | not assigned |
| <b>14.2</b> | <b>UN proper shipping name</b>                                 | -            |
| <b>14.3</b> | <b>Transport hazard class(es)</b>                              | -            |
| <b>14.4</b> | <b>Packing group</b>   | -            |
| <b>14.5</b> | <b>Environmental hazards</b>                                   | -            |
| <b>14.6</b> | <b>Special precautions for user</b>                            | -            |
| <b>14.7</b> | <b>Maritime transport in bulk according to IMO instruments</b> | -            |

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Relevant provisions of the European Union (EU)****Seveso Directive**

Not assigned.

**Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)**

None of the ingredients are listed.

**Regulation on the marketing and use of explosives precursors**

None of the ingredients are listed.

**Regulation on drug precursors**

None of the ingredients are listed.

**Regulation on substances that deplete the ozone layer (ODS)**

None of the ingredients are listed.

**Regulation concerning the export and import of hazardous chemicals (PIC)**

None of the ingredients are listed.

**Regulation on persistent organic pollutants (POP)**

None of the ingredients are listed.

**National regulations (GB)****List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list**

None of the ingredients are listed

**Restrictions according to GB REACH, Annex 17**

None of the ingredients are listed

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

**SECTION 16: Other information****Abbreviations and acronyms**

| Abbr.    | Descriptions of used abbreviations  |
|----------|---|
| ADR      | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)           |
| DGR      | Dangerous Goods Regulations (see IATA/DGR)  |
| ED       | Endocrine disruptor   |
| GB CLP   | The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)              |
| GB REACH | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)  |
| GHS      | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations   |
| IATA     | International Air Transport Association   |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA)  |
| IMDG     | International Maritime Dangerous Goods Code   |
| PBT      | Persistent, Bioaccumulative and Toxic   |
| RID      | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| vPvB     | Very Persistent and very Bioaccumulative  |

**Key literature references and sources for data**

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended).

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended).

GB mandatory classification and labelling.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).  
Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).  
International Maritime Dangerous Goods Code (IMDG).  
Dangerous Goods Regulations (DGR) for the air transport (IATA).

## **Classification procedure**

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## **Responsible for the safety data sheet**

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## **Disclaimer**

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.