


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


- **1.1 Product identifier**
- **Trade name: AQUAFIN-IC**
- **Article number: 204220**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Thickener pulps
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SCHOMBURG GmbH
Aquafinstr. 2-8
D-32760 Detmold
Germany


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Product Safety Department

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SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 -  GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.
 -  GHS07

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H335 May cause respiratory irritation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 -  Xi; Irritant
R37/38-41: Irritating to respiratory system and skin. Risk of serious damage to eyes.
- **Classification system:**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS05, GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**
Cement, portland, chemicals
calcium dihydroxide

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- **Hazard statements**
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H335 May cause respiratory irritation.
- **Precautionary statements**
 - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P405 Store locked up.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Product based on cement and mineral filler.
- **Dangerous components:**

CAS: 65997-15-1	Cement, portland, chemicals	25-50%
EINECS: 266-043-4	Xi R37/38-41; Xi R43 Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 497-19-8	sodium carbonate	2.5-10%
EINECS: 207-838-8	Xi R36 Eye Irrit. 2, H319	
CAS: 1305-62-0	calcium dihydroxide	2.5-10%
EINECS: 215-137-3	Xi R38-41 Eye Dam. 1, H318; Skin Irrit. 2, H315	
- **Additional information**

The chromate content in cement is less than 2 ppm so that the rating of the relevant phrase no. 43 is not applicable.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information**

Personal protection for the First Aider.
It is possible to choke in case of vomiting in unconsciousness.
Bring unconscious persons into a stable position on side.
Keep the respiratory tract free (remove dentures and vomiting).
Check the pulse. In case of heart failure you have to make a cardiac massage. In case of stoppage of breathing: artificial respiration.
Take up a doctor immediately!
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** After contact, clean the skin mechanical and rinse with water and soap.
- **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing**

Drink copious amounts of water and provide fresh air. Instantly call for doctor.
Show the pack or the label to the doctor.

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- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
Product is not inflammable.
Use fire fighting measures that suit the environment.
- **5.2 Special hazards arising from the substance or mixture**
The product formed corrosive water for fire-fighting.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information** Follow the emergency-plan.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid causing dust.
Avoid eye- and skin contact.
Wear protective clothing.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **6.3 Methods and material for containment and cleaning up:**
Do not flush with water or aqueous cleansing agents
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.
See Section 7 for information on safe handling

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Keep away from children.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Protect against wetness and water.
- **Information about storage in one common storage facility:**
Please follow the rules of the VCI-Storage-Concept for chemicals.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store under dry conditions.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:**
It must be possible to wash the skin in the working area.
Eye-wash bottle must be available.

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- **8.1 Control parameters**

- **Components with critical values that require monitoring at the workplace:** _____

- **65997-15-1 Cement, portland, chemicals (25-50%)**

- WEL Long-term value: 10* 4** mg/m³

- *inhalable dust **respirable dust

- **1305-62-0 calcium dihydroxide (2.5-10%)**

- WEL Long-term value: 5 mg/m³

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

- The usual precautionary measures should be adhered to in handling the chemicals.

- Avoid contact with the eyes and skin.

- Vacuum clean contaminated clothing. Do not blow or brush off contamination.

- Be sure to clean skin thoroughly after work and before breaks.

- **Breathing equipment:** Use respiratory protective equipment at formation of dust.

- **Protection of hands:** Hand Protection: Nitril-rubber-latex-gloves.

- **Material of gloves**

- Butyl rubber II R: Thickness ≥ 0,5mm; Break through time ≥ 480 min

- **Penetration time of glove material**

- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses

- **Body protection:** Protective work clothing.

SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

- **Form:** Powder

- **Colour:** Grey

- **Smell:** Weak, characteristic

- **Change in condition**

- **Melting point/Melting range:** Not determined

- **Boiling point/Boiling range:** Not determined

- **Flash point:** Not applicable

- **Self-inflammability:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive.

- **Density**

- **Settled apparent density** 1,100 kg/dm³

- **Solubility in / Miscibility with**

- **Water:** miscible

- **9.2 Other information** No further relevant information available.

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SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
 - **Acute toxicity:**
 - **LD/LC50 values that are relevant for classification:**
-
- 497-19-8 sodium carbonate**
Oral LD50 2800 mg/kg (rats)
Dermal LD50 >2000 mg/kg (rats)
Inhalative LC50 2h / 2.3 mg/l (rats)
- 1305-62-0 calcium dihydroxide**
Oral LD50 7340 mg/kg (rats)
- **Primary irritant effect:**
 - **on the skin:** Irritant for skin and mucous membranes.
 - **on the eye:** Irritant effect.
 - **Sensitisation:** No sensitizing effect known.
 - **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Irritant

SECTION 12: Ecological information

- **12.1 Toxicity**
 - **Aquatic toxicity:**
-
- 497-19-8 sodium carbonate**
EC50 24h / 347 mg/l (Daphnia magna)
LC50/96h 300 mg/l (Lepomis macrochius)
- **12.2 Persistence and degradability** No further relevant information available.
 - **12.3 Bioaccumulative potential** No further relevant information available.
 - **12.4 Mobility in soil** No further relevant information available.
 - **Additional ecological information:**
 - **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
 - **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
 - **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
10 00 00 Inorganic wastes from thermal processes
10 12 00 wastes from manufacture of ceramic goods, bricks, tiles and constructions products
10 12 03 other particulates and dust
17 00 00 Construction and demolition waste (including road construction)
17 01 00 concrete, bricks, tiles, ceramics, and gypsum based materials
17 01 01 concrete
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|---------------------------------------------------------------------------------------|------------------------------------------------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR | Void |
| · ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
The classification based on german instructions.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 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.

• **Relevant phrases**

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- R36 Irritating to eyes.
- R37/38 Irritating to respiratory system and skin.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.

• **Department issuing data specification sheet:** Environment protection department.

• **Contact:** Mr. Guido Herfort

• **Abbreviations and acronyms:**

- 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 Harmonised 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 (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

• *** Data compared to the previous version altered.**