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

· **1.1 Product identifier**

· **Trade name: AQUAFIN-IC**
· **UFI:** R9K7-UK72-U00M-MQRN
· **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** Sealing

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
SCHOMBURG GmbH & Co. KG
Aquafinstr. 2-8
D-32760 Detmold
Detmold, Germany

Tel: ++49 (0)5231/953-00
Fax: ++49 (0)5231/953-123
Internet: www.schomburg.de

New Zealand Supplier:
Equus Industries Ltd
Sheffield St, Riverlands Industrial Estate
Blenheim, Marlborough

Tel: +64 03 578 0214
Email: admin@equus.co.nz
www.equus.nz

· **Informing department:**
Department: Environment and Safety
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New Zealand National Poison Centre:
Tel: 0800 764 766

If you have any questions about the Environment and Safety Department, please contact our department.

e-mail: SDB@schomburg.de

SECTION 2: Hazards identification

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

corrosion

Eye Dam. 1 H318 Causes serious eye damage.

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H335 May cause respiratory irritation.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
· **Hazard pictograms** GHS05, GHS07
· **Signal word** Danger

· **Hazard-determining components of labelling:**
Cement, portland, chemicals
calcium dihydroxide
· **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.

(Contd. on page 2)

(Contd. of page 1)

H335 May cause respiratory irritation.

· **Precautionary statements**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves / eye protection / face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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 Mixtures**

· **Description:** Product based on cement and mineral filler.

· **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	25-50%
CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate Eye Irrit. 2, H319	2.5-10%
CAS: 1305-62-0 EINECS: 215-137-3	calcium dihydroxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	2.5-10%

· **Additional information**

The chromate content in cement is less than 2 ppm so that the labelling with H317 is not applicable (1907/2006/EG, Annex XVII (47)).

For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information**

Personal protection for the First Aider.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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 or oxygen; call for doctor.

· **After skin contact**

In case of contact with skin, remove mechanically, wash thoroughly with plenty of soap and water.

Instantly wash with water and soap and rinse thoroughly.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing**

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

(Contd. on page 3)

(Contd. of page 2)

Show the packaging or the label to the doctor.

· **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.

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SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents** Product is not inflammable.
· **For safety reasons unsuitable extinguishing agents** Cement
· **5.2 Special hazards arising from the substance or mixture**
Extinguishing water creates an alkaline solution that can cause irritation.
· **5.3 Advice for firefighters**
· **Protective equipment:** Wear self-contained breathing apparatus.
· **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Follow the emergency-plan.

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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.
Bring persons out of danger.
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Do not allow product to reach sewage system or water bodies.
Inform respective authorities in case product reaches water or sewage system.
· **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up the product mechanically, avoid dust formation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Prevent formation of dust.
Keep out of the reach of children
· **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:**
Store under dry conditions.
Keep container tightly sealed.
· **7.3 Specific end use(s)** No further relevant information available.

(Contd. on page 4)

(Contd. of page 3)

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SECTION 8: Exposure controls/personal protection

· **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 Short-term value: 4* mg/m³
Long-term value: 5 1* mg/m³
*resprable fraction

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

· **8.2 Exposure controls**

· **Appropriate engineering controls**
It must be possible to wash the skin in the working area.
Eye-wash bottle must be available.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Vacuum clean contaminated clothing. Do not blow or brush off contamination.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
Do not eat, drink or smoke while working.
Use skin protection cream for preventive skin protection.
Be sure to clean skin thoroughly after work and before breaks.

· **Breathing equipment:**
Use respiratory protective equipment at formation of dust.
Filter P2.
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
For work with higher dust loads: Particle filter class P2

· **Hand protection**
In case of wearing synthetic protective gloves use cotton-gloves as underwear.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**
Mechanical protective glove with a coating of PVC or nitrile
Nitrile-soaked cotton gloves (layer thickness approx. 0.15 mm)
For activities using products containing cement, suitable protective gloves have been identified (GISCODES ZP1). Suitable are, for example

Ampri: SolidSafety Cut 081101 / SolidSafety Tough 081201 / SolidSafetyTough Dots 081202
Ansell: Flexitril L27 / Fleximax 27 or 35 / Hylite / Nitrotough N210 / Sol-Knit
KCL: Sahara / Gobi / Nitex
MAPA: Duo-Mix 405 / Enduro 328 / Stansolv AK 22 / Titanlite 397 / Titansuperlite
UVEX: uvex Profi Ergo XG 20 / uvex phynomic pro
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

(Contd. of page 4)

· **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.
· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**
Nitrile rubber, NBR
· **Not suitable are gloves made of the following materials:**
Leather gloves
Strong gloves
· **Eye/face protection**
In case of dust formation or risk of splashing: safety goggles
Tightly sealed safety glasses.
Suitable safety goggles in accordance with DIN EN 166.
· **Body protection:**
Acid resistant protective clothing
Alkaline resistant protective clothing
Apron
Protective work clothing.
Contaminated protection clothes must be cleaned carefully before reuse.
· **Skin protection** Use greasy skin protection ointment for all uncovered parts of the body!

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SECTION 9: Physical and chemical properties

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

· **General Information**	
· **Physical state**	Solid material.
· **Colour:**	Grey
· **Smell:**	Weak, characteristic
· **Odour threshold:**	Not determined.
· **Melting point/freezing point:**	Not determined
· **Boiling point or initial boiling point and boiling range**	not apply
· **Flammability**	Not determined.
· **Lower and upper explosion limit**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	Not applicable
· **Decomposition temperature:**	Not determined.
· **pH at 20 °C**	11.4 (1%)
· **Viscosity:**	
· **Kinematic viscosity**	Not applicable.
· **dynamic:**	Not applicable.
· **Solubility**	
· **Water:**	miscible
· **Partition coefficient n-octanol/water (log value)**	Not determined.
· **Steam pressure:**	Not applicable.
· **Density and/or relative density**	
· **Density**	bulk density
· **Relative density**	Not determined.
· **Settled apparent density**	1.1 kg/dm³
· **Vapour density**	Not applicable.

· **9.2 Other information**

· **Appearance:**	
· **Form:**	Powder

(Contd. on page 6)

(Contd. of page 5)

· **Important information on protection of health and environment, and on safety.**	
· **Self-inflammability:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive.
· **Change in condition**	
· **Evaporation rate**	Not applicable.

· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Void
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **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

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SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.
· **LD/LC50 values that are relevant for classification:**

497-19-8 sodium carbonate

Oral	LD50 2,800 mg/kg (rats)
Dermal	LD50 >2,000 mg/kg (Kan) (EPA 16 CFR 1500.40)
Inhalative	LC50 2,300 mg/m³ /2h (rats)

1305-62-0 calcium dihydroxide

Oral	LD50 7,340 mg/kg (rats)
Dermal	LD50 >2,500 mg/kg (Kan) (OECD 402)

· **Skin corrosion/irritation**
The product has an irritate-effect.
Causes skin irritation.

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· **Serious eye damage/irritation** Causes serious eye damage.
· **STOT-single exposure** May cause respiratory irritation.
· **11.2 Information on other hazards**
· **Endocrine disrupting properties**
None of the ingredients is listed.

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SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:**

497-19-8 sodium carbonate
LC50/96h 300 mg/l (Lepomis macrochirus)
EC50 (48h) 200-227 mg/l (water flea (Ceriodaphnia spec)

1305-62-0 calcium dihydroxide
EC50 (48h) 49.1 mg/l (Daphnia magna)
· **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.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Hazardous waste
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **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 or ID number**
· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**
· **ADR, ADN, IMDG, IATA** Void

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· **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 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **UN "Model Regulation":**	Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Poisons Act**
· **Regulated explosives precursors**
None of the ingredients is listed.
· **Regulated poisons**
None of the ingredients is listed.
· **Reportable explosives precursors**
None of the ingredients is listed.
· **Reportable poisons**
None of the ingredients is listed.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

New Zealand HSNO: Construction Products (Subsidiary Hazard) Group Standard 2020 HSR:002544

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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.

· **Department issuing data specification sheet:**
Department EHS (Environment-Health-Safety)
Environment protection department.
· **Contact:** Department EHS (Environment-Health-Safety)
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international 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
PBT: Persistent, Bioaccumulative and Toxic

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vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
· *** Data compared to the previous version altered.**