

# AQUABASE EW-226 SAFETY SHEET

According to 1907/2006/EC, Article 31

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 PRODUCT IDENTIFIER

**Product form:** Powder  
**Product name:** EWI-226 Aquabase  
**Product code:** EWI-226  
**Type of product:** Basecoat

### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

**Use of substance / mixture: Sector of Use:** This product is used for securing polystyrene insulation boards to external walls.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**Classification under CLP:**

STOT SE 3: H335  
Eye Dam. 1: H318  
Skin Irrit. 2: H315  
Skin Sens. 1A: H317

**Most important adverse effects:**

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.

### 2.2 LABEL ELEMENTS

**Label elements:**

Hazard statements: H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H335: May cause respiratory irritation.

**Hazard pictograms:**

GHS05: Corrosion  
GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children. P261: Avoid breathing dust. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P332+P313: If skin irritation occurs. Seek medical advice/attention. 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. P315: Seek immediate medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse. P501: Dispose of contents/container to appropriate waste collection point.

## 2.3 OTHER HAZARDS

This product is not identified as a PBT/vPvB substance.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCE

This product is a mixture.

### 3.2 MIXTURE

**Description:** Mixture of inorganic binders, fillers and nonhazardous additions

#### Dangerous components:

CAS: 65997-15-1 EINECS: 266-043-4 REACH.: 02-2119682167-	Portland Cement Clinker Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3,	25-50%
CAS: 14808-60-7 EINECS: 238-878-4 REACH:*	Silicon dioxide (quartz, <1% RCS) Substance with a community workplace exposure limit	2.5-5%

#### Other components:

CAS: 1317-65-3 EINECS: 215-279-6 Reg.nr.: -	Limestone (Calcium carbonate)	50-100%
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**Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

**Skin contact:** Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

**Eye contact:** Rinse the eye with running water for 15 minutes. Do not rub eyes, as additional cornea damage is possible by mechanical stress. Contact a specialist of occupational medicine or an eye specialist.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Get medical attention if any discomfort continues.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If symptoms develop, seek medical attention.

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

**Extinguishing media:** The mixture is fire resistant in both delivery condition and mixed condition. In the event of a fire, the mixture will not need extinguishing.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

**Exposure hazards:** This product is neither explosive nor flammable, and non-oxidizing with other materials. Dust formations react alkaline with water and can cause a fire risk.

### 5.3 ADVICE FOR FIRE-FIGHTERS

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**Personal precautions:** Avoid formation of dust. Avoid inhalation, eye and skin contact. If appropriate, reference must be made to exposure controls and personal protection (see section 8).

### 6.2 ENVIRONMENTAL PRECAUTIONS

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4 REFERENCE TO OTHER SECTIONS

**Reference to other sections:** Refer to section 8 of SDS.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage conditions:** Store in a cool, well-ventilated area. Keep the container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3 SPECIFIC END USE(S)

**Specific end use(s):** No data available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Ingredients with limit values that require monitoring at the workplace:	
<b>65997-15-1 Portland cement clinker</b>	
WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
<b>14808-60-7 Silicone dioxide (quartz, &lt;1% RCS)</b>	
BOELV (EU) IOELV (EU)	Long-term value: 0.1* mg/m <sup>3</sup> *respirable fraction
Additional Occupational Exposure Limit Values for possible hazards	
Components with general dust limit	
MAK D (TRGS 900) (PL)	Short-term value: 2.5 A 20 E mg/m <sup>3</sup> Long-term value: 1.25 A 10 E mg/m <sup>3</sup> A - IFA 6068 (2003) E - IFA 7284 (2003) Germany

### 8.2 EXPOSURE CONTROLS

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is by hand.

**Skin protection:** Protective clothing.

**Environmental:** No data available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**State:** Powder

**Colour:** Light Grey

**Odour:** Odourless

**Evaporation rate:** Not applicable.

**Oxidising:** Not applicable.

**Solubility in water:** Not miscible or difficult to mix.

**Viscosity:** Not applicable.

**Viscosity test method:** Not applicable.

**Boiling point/range°C:** 102 -105°C

**Melting point/range°C:** >1300 °C.

**Flammability limits %:**

**lower:** Not applicable.

**upper:** Not applicable.

**Flash point°C:** Not applicable.

**Part.coeff. n-octanol/water:** Not applicable.

**Autoflammability°C:** Not applicable.

**Vapour pressure:** Not applicable.

**Relative density:** Not applicable.

**pH:** <11.

**VOC g/l:** Not applicable.

### 9.2 OTHER INFORMATION

**Other Information:** No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

**Reactivity:** No dangerous reactions known.

### 10.2. CHEMICAL STABILITY

**Chemical stability:** The product is stable as long as it is stored properly and kept dry.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

**Hazardous reactions:** No dangerous reactions known.

### 10.4 CONDITIONS TO AVOID

**Conditions to avoid:** No further relevant information available.

### 10.5 INCOMPATIBLE MATERIALS

**Materials to avoid:** No further relevant information available.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

**Haz. decomp. products:** No dangerous decomposition products known

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

The product was not investigated. The statement is derived from the properties of the single components.

**Acute toxicity:**

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

LD/LC50 values relevant for classification		
<b>1317-65-3 Limestone (Calcium carbonate)</b>		
Oral	LC50	6450 mg/kg (Rat) (RTECS Data)
<b>65997-15-1 Portland cement clinker</b>		
Oral	LD50	>2000 mg/kg (Mouse) In animal studies with cement dust no acute toxicity was observed. On the basis of the available data, the classification criteria are not fulfilled.
Dermal	LD0 (no lethality)	2000 mg/kg (Rabbit) (Limit test 24h [4]) On the basis of the available data, the classification criteria are not fulfilled.
Inhalation	LD0 (no lethality)	5 mg/m <sup>3</sup> (Rat) (Limit test [10]) On the basis of the available data, the classification criteria are not fulfilled.
<b>1305-62-0 Calcium dihydroxide</b>		
Oral	LD50	7340 mg/kg (Rat) (OECD 425)
Dermal	LD50	>2500 mg/kg (Rabbit) (OECD 402) >2500 mg/kg (Rabbit) (OECD 402)

## SYMPTOMS / ROUTES OF EXPOSURE

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** No data available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 TOXICITY

The product was not investigated. The statement is derived from the properties of the single components.

<b>Aquatic toxicity</b>	
<b>1317-65-3 Limestone (Calcium carbonate)</b>	
LC50 (96h)	>100 mg/l (Rainbow trout - <i>oncorhynchus mykiss</i> ) (OECD 203)
LC50 (48h)	>100 mg/l (Water flea - <i>daphnia magna</i> ) (OECD 202)
EC50	>14 mg/l (Algae - <i>desmodesmus subspicatus</i> ) (OECD 201) >1000 mg/l (Activated sewage sludge) (OECD 209)
<b>65997-15-1 Portland cement clinker</b>	
LC50 (96h)	- mg/l (Water flea - <i>daphnia magna</i> ) (low effect [6,8]) - mg/l (Algae - <i>selenastrum coli</i> ) (low effect [7,8]) - mg/l (Sediments) (low effect [9])

### 12.2 PERSISTENCE AND DEGRADABILITY

The product is not removable from water by biological cleaning process.

### 12.3 BIOACCUMULATIVE POTENTIAL

Does not accumulate in organisms.

### 12.4 MOBILITY IN SOIL

Slightly soluble

**Ecotoxicological effects:**

Only by increasing the pH value during application of large quantities.

1305-62-0 Calcium dihydroxide	
NOEC (72h) NOEC (14d) NOEC (21d) NOEC (96h) EC10/LC10 (NOEC)	48 mg/l (Algae) 32 mg/l (Invertebrate) 1080 mg/kg (General plants) 56 mg/l (Guppy - poecilia reticulata) 12000 mg/kg (Soil microorganisms) 2000 mg/kg (Soil macroorganisms)

#### Behaviour in sewage processing plants:

##### Remark:

Ecotoxicological tests with Portland cement on *Daphnia magna* (US EPA, 1994a, see Section 16 References [6]) and *Selenastrum Coli* (US EPA, 1993, see section 16 literature [7]) have shown little toxicological effect. Therefore, the LC50 and EC50 values could not be determined, see section 16 literature [8]. There were also no toxic effects on sediments found, see section 16 literature [9]. The addition of large quantities of cement in water can cause a pH increase and thus can be toxic to aquatic life.

#### Additional ecological information:

##### General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 12.5 RESULTS OF PBT AND vPvB ASSESSMENT

**PBT identification:** This product is not identified as a PBT/vPvB substance

## 12.6 OTHER ADVERSE EFFECTS

No further relevant information available.

##### Literature

No further relevant information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 WASTE TREATMENT METHODS

**Disposal operations:** Transfer to a suitable container and arrange for collection by a specialised disposal company.

**Recovery operations:** No information available.

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN NUMBER

ADR, ADN, IMDG, IATA VOID

### 14.2 UN PROPER SHIPPING NAME

ADR, ADN, IMDG, IATA Class VOID

### 14.3 TRANSPORT HAZARD CLASS(ES)

ADR, ADN, IMDG, IATA VOID

### 14.4 PACKING GROUP

ADR, ADN, IMDG, IATA Class VOID

### 14.5 ENVIRONMENTAL HAZARDS

Marine pollutant: No

**Environmentally hazardous:**

**No Marine pollutant:** No 14.6.

**SPECIAL PRECAUTIONS FOR USER**

**Special precautions:** No special precautions.

## SECTION 15: REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS/ LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

**Specific regulations:** Not applicable.

### 15.2 CHEMICAL SAFETY ASSESSMENT

## SECTION 16: OTHER INFORMATION

**Other information:** According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 \* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:**

**H315:** Causes skin irritation.

**H317:** May cause an allergic skin reaction.

**H318:** Causes serious eye damage.

**H335:** May cause respiratory irritation.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.



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