

Date prepared: AUGUST 2016
 Date revised: NOVEMBER 2016

SDS No. L.1

According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Section 1: Identification of the Substance/Mixture and the Company/Undertaking

IDENTITY: *Product Name:* **AQUAFIN-LEVEL-One EZ**

Chemical Characterization: **Cement – Preparation**
 Product Use Description: **Cement-based self-leveling underlayment**

AQUAFIN, INC.
 505 BLUE BALL RD. #160
 ELKTON, MD 21921
 Product Use: Self Leveling Underlayment

Information Phone No. (410) 392-2300
 Emergency Phone No. (800) 394-1410
 info@aquafin.net www.aquafin.net

Section 2: Hazard(s) Identification

GHS Ratings:

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer
Carcinogen	1A	Known Human Carcinogen Based on human evidence

GHS Hazards

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H350	May cause cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment, see supplemental first aid information.
P330	Rinse mouth
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

Signal Word: Danger



Section 3: Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Quartz	14808-60-7	30.00% - 60.00%
Calcium Sulfate Hemihydrate	26499-65-0	10.00% - 30.00%
Calcium sulfate	7778-18-9	10.00% - 30.00%
Portland cement	65997-15-1	5.00% - 10.00%
Calcium oxide	1305-78-8	1.00% - 2.00%

Section 4: First Aid Measures

4.1 Description of First Aid Measures

After Inhalation: Supply fresh air. If required, provide artificial respiration by qualified medical personnel. Keep patient warm. Consult doctor if symptoms persist.

After Eye Contact: Remove contact lens if worn. Rinse opened eye for 20 to 30 minutes under running water. If symptoms persist, consult a doctor.

After Skin Contact: Remove all contaminated clothing. Immediately wash affected skin with lukewarm water and soap, rinse thoroughly (20 min.). If skin irritation continues, consult a doctor.

After Swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help immediately.

Notes to Physician: Treat symptomatically

Section 5: Firefighting Measures

Flash Point: 998 C (1,828 F)

LEL:

UEL:

5.1 Flammable Limits: Not flammable under normal conditions. Contact with water may cause hydration, and formation of caustic alkaline material.

5.2 Extinguishing Media

Dry Chemical

Alcohol Resistant Foam

Carbon dioxide

Do not use water

5.3 Special Hazards Arising from the Substance of Mixture

Formation of toxic gases is possible during heating or in case of fire.

5.4 Hazardous Combustion Products

Carbon oxides

Sulphur Oxides

Calcium Oxide

Aldehydes

5.5 Advice for Firefighters

Wear self-contained respiratory protective device and other proper protective equipment.

5.6 Fire Damage

Dispose of fire debris and contaminated firefighting media in accordance with official regulations

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid dust formation

Do not breathe dust

Avoid contact with skin, eyes and clothing

Remove all non-essential people from the affected area.

Ensure adequate ventilation

Wear protective equipment

6.2 Environmental Precautions: Do not allow to enter sewers/ surface or ground water. Prevent seepage into sewage system, work pits and cellars.

6.3 Methods and Materials for Containment and Cleaning Up:

Ensure adequate ventilation.

Pick up and arrange disposal without creating dust.

Dispose of the collected material according to regulations.

6.4 Reference to Other Sections

For personal protection see Section 8

For disposal information see Section 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Avoid formation of respirable particles
 Do not breath vapours/dust
 Do not get in eyes, on skin, or on clothing
 Ensure good ventilation/exhaustions at the workplace
 Make sure that all applicable workplace limits are observed.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in cool, dry conditions in well-sealed receptacles
 Keep receptacle tightly sealed. Store in dry conditions.
 Protect from humidity and water
 Storage temperature 10 - 50 °C
 Do not store together with oxidizing and acidic materials.

Requirements to be met by Storerooms and Receptacles: Observe all local and national regulations for storage of water polluting products.

7.3 Specific End Use(s)

No further relevant information available.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Ingredients with limit values that require monitoring at the workplace:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Quartz 14808-60-7	Not Established	0.025 mg/m ³ TWA (respirable fraction)	NIOSH: 0.05 mg/m ³ TWA (respirable dust)
Calcium Sulfate Hemihydrate 26499-65-0	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	Not Established	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
Calcium sulfate 7778-18-9	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ TWA (inhalable fraction)	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
Portland cement 65997-15-1	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	1 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
Calcium oxide 1305-78-8	5 mg/m ³ TWA	2 mg/m ³ TWA	NIOSH: 2 mg/m ³ TWA

Additional Information: The lists that were valid during the creation were used as a basis.

8.2 General Protective and Hygienic Measures:

The usual precautionary measures are to be adhered to when handling chemicals.
 Do not eat, drink, smoke or sniff while working
 Keep away foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin

8.3 Personal Protective Equipment:

Eye Protection: Safety glasses with side shields, goggles preferred.
Respiratory Protection: Use suitable respirator protective device in case of insufficient ventilation, required if TLV exceeded. Use suitable respiratory protective device when dust and fumes is formed. NIOSH/MSHA respirator is advised.
Protection of Hands: Protective gloves: to avoid skin problems, the glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Recommended glove material: Neoprene, butyl rubber gloves, note: the selection of the suitable gloves does not only depend on the material, but also on the further marks of quality and varies from manufacturer to manufacturer several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. Protective gloves should be replaced at the first signs of wear. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Skin and Body Protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. An eyewash and safety shower stations should be available in the work area.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

<p>Appearance: Solid - Grayish Powder</p> <p>Odor threshold: N/A</p> <p>Vapor Density: N/A</p> <p>Specific Gravity: 2.5-2.9</p> <p>Boiling range: N/A</p> <p>Autoignition temperature: N/A</p> <p>Viscosity: Not Available</p> <p>Flammability: Not Flammable</p>	<p>Odor: None</p> <p>Vapor Pressure: N/A</p> <p>pH: 10-12</p> <p>Freezing point: N/A</p> <p>Flash point: N/A</p> <p>Decomposition temperature: Not Available</p> <p>Grams VOC less water: N/A</p> <p>Partition coefficient (n- octanol/water): N/A</p>
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Section 10: Stability and Reactivity

STABLE

10.1 Reactivity:

Stable under recommended storage conditions. Interaction with water may cause hydration and formation of alkaline material. No decomposition if stored and applied as directed.

10.2 Chemical Stability:

No decomposition if stored and applied as directed.

No data available

10.3 Possibility of Hazardous Reactions:

None known

No data available

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 934mg/kg

Component Toxicity

11.1 Information on Toxicological Effects

Routes of Entry:

No data available

Target Organs:

Eyes Skin Respiratory System

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
14808-60-7	Quartz	30 to 60%	Quartz: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed

Section 12: Ecological Information

12.1 Persistence and Degradability

Product: No further relevant information available

12.2 Bio accumulative Potential

Product: No further relevant information available

12.3 Mobility in Soil

Product: Distribution among environmental compartments: No further relevant information available.

Additional Ecological Information:

German Hazard Water Class NWG

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.4 Results of PBT and vPvB Assessment:

Assessment: This mixture contains no substance considered to be persistent, bio accumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bio accumulating (vPvB)

12.5 Other Adverse Effects

Product: No further relevant information available

12.6 Toxicity

Component Ecotoxicity

Calcium sulfate	96 Hr LC50 Lepomis macrochirus: 2980 mg/L [static]; 96 Hr LC50 Pimephales promelas: >1970 mg/L [static]
Calcium oxide	96 Hr LC50 Cyprinus carpio: 1070 mg/L [static]

Section 13: Ecological Information

13.1 Waste Treatment Methods

Product: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with the chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company. Send to a licensed waste management company.

Contaminated Packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

Section 14: Transport Information

14.1 UN Number:

None - Not Regulated

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated			

Section 15: Regulatory Information

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

Prop 65 - Chemicals Known to Cause Developmental Toxicity
 - None

Prop 65 - Chemicals Known to Cause Cancer:
 14808-60-7 Quartz

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
 - None

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs
 - None

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs
 - None

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
 - None

- None

TSCA (Toxic Substances Control Act)
 - None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	Inventory – United States – Section 8(b) Inventory (TSCA)	YES
Canada	DSL (Canadian Domestic Substance List)	YES

EU Risk Phrases

Safety Phrase

None

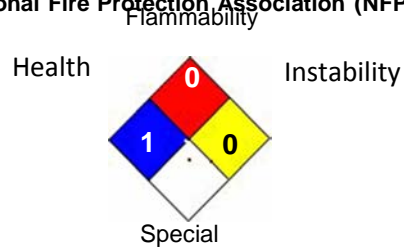
Section 16: Other Information

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	F

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

National Fire Protection Association (NFPA)



We believe the information contained in this SDS is correct, however, because the material may be used under conditions over which we have no control, we give no warranty and assume no responsibility for any damage to person, property or business arising from such use. It is the responsibility of the user to ensure it is properly used. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Reviewer Revision: 11/29/16