

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

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

1.1 Product identifier

Substance name: Mixture of Hydrated lime (Calcium dihydroxide) and water.
Synonyms: Calcium dihydroxide, Calcium hydroxide, Lime water, Milk of lime, Liquid lime
Chemical name and formula: Ca(OH)_2 - Calcium dihydroxide suspension in water.
Trade name: Aqualime®

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

1.2.1 Use of the mixture

The substance is intended for the following non-exhaustive list of uses:
Building material industry, Chemical industry, Agriculture, Biocidal use, Environmental protection (e.g. flue gas treatment, waste water treatment, sludge treatment), Drinking water treatment, Feed, food and pharmaceutical industry, Civil engineering, Paper and paint industry.

1.2.2 Identified uses

All uses listed in table 1 of the Appendix of this SDS are identified uses.

1.2.3 Uses advised against

No use identified in Table 1 of the Appendix of this SDS is advised against.

1.3 Details of the supplier of the safety data sheet

Name: Singleton Birch Limited
Address: Melton Ross Quarries, Barnetby,
North Lincolnshire DN38 6AE
Phone N°: +44(0)1652 686000
Fax N°: +44(0)1652 686081
E-mail of competent person responsible for SDS in the MS or in the EU: kb@singletonbirch.co.uk; jt@singletonbirch.co.uk

1.4 Emergency telephone number

European Emergency N°: 112
National centre for Prevention & Treatment of Intoxications N°: National Chemicals Emergency Centre (NCEC) +44 (0) 870 190 6621
Emergency telephone at the company: +44(0)1652 686000 (24 hours)
Available outside office hours: Yes

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture

Information on a mixture containing a Ca(OH)_2 content above 20%

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

2.1.1 Classification according to Regulation (EC) 1272/2008

STOT SE 3, H335
Skin Irritation 2, H315
Eye Damage 1, H318

2.1.2 Classification according to Directive 1999/45/EC

Xi: R37, R38, R41

2.1.3 Additional information

For full text of H-statements and R-phrases: see Section 16

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) 1272/2008

Signal word:

Danger

Hazard pictogram:



Hazard statements:

H315: Causes skin irritation
H318: Causes serious eye damage
H335: May cause respiratory irritation

Precautionary statements:

P102: Keep out of reach of children
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.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P261: Avoid breathing dust/spray
P310: Immediately call a poison centre or doctor/physician.
P501: Dispose of contents/container in accordance with local, regional, national and international regulation – use a registered hazardous waste carrier/licence holder, and/or contact the manufacturer.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

2.3 Other hazards

The constituent calcium hydroxide does not meet the criteria for PBT or vPvB substance.
No other hazards identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not relevant

3.2 Mixtures

Description of the mixture

Mixture of calcium hydroxide and water.

Hazardous ingredients

CAS number	EC number	Registration No	Identification name	Weight % content (or range)	Classification according to 67/548/EEC
1305-62-0	215-137-3	01-2119475151-45-0019	Calcium hydroxide	20-40%	Xi: R37,R38, R41

CAS number	EC number	Registration No	Identification name	Weight % content (or range)	Classification according to Regulation (EC) No 1272/2008 [CLP]
1305-62-0	215-137-3	01-2119475151-45-0019	Calcium hydroxide	20-40%	<i>Eye Dam 1 H318 Skin Irrit. 2 H315 STOT SE 3 (inhalation) H335</i>

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

No known delayed effects. Consult a physician for all exposures except for minor instances.

Following inhalation

Move source of dust or move person to fresh air. Obtain medical attention immediately.

Following skin contact

Wash affected area immediately with plenty of water. Remove contaminated clothing. If necessary seek medical advice.

Following eye contact

Rinse eyes immediately with plenty of water and seek medical advice.

After ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention.

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

4.2 Most important symptoms and effects, both acute and delayed

The mixture is not acutely toxic via the oral, dermal, or inhalation route. The substance is classified as irritating to skin and the respiratory tract, and entails a risk of serious damage to the eye. There is no concern for adverse systemic effects because local effects (pH-effect) are the major health hazard.

4.3 Indication of any immediate medical attention and special treatment needed

Follow the advises given in section 4.1

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

Suitable extinguishing media: The mixture is not combustible. Use a dry powder, foam or CO₂ fire extinguisher to extinguish the surrounding fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.1.2 Unsuitable extinguishing media

None

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for fire fighters

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation.

Keep mist and spray levels to a minimum.

Keep unprotected persons away.

Avoid contact with skin, eyes, and clothing – wear suitable protective equipment (see section 8).

Avoid inhalation of mist and spray – ensure that sufficient ventilation or suitable respiratory protective equipment is used, wear suitable protective equipment (see section 8)

6.1.2 For emergency responders

Keep mist and spray levels to a minimum.

Ensure adequate ventilation.

Keep unprotected persons away.

Avoid contact with skin, eyes, and clothing – wear suitable protective equipment (see section 8).

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

Avoid inhalation of mist and spray – ensure that sufficient ventilation or suitable respiratory protective equipment is used, wear suitable protective equipment (see section 8)

6.2 Environmental precautions

Contain the spillage. Avoid uncontrolled spills to watercourses and drains (pH increase). Any large spillage into watercourses must be alerted to the Environment Agency or other regulatory body.

6.3 Methods and material for containment and cleaning up

Pick up the product mechanically.

6.4 Reference to other sections

For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13 and the Annex of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective measures

Avoid contact with skin and eyes. Wear protective equipment (refer to section 8 of this safety data sheet). Do not wear contact lenses when handling this product. It is also advisable to have individual pocket eyewash. Keep mist and spray levels to a minimum. Handling systems should preferably be enclosed. When handling bulk material usual precautions should be paid to the risks outlined in the Council Directive 90/269/EEC.

7.1.2 Advice on general occupational hygiene

Avoid inhalation or ingestion and contact with skin and eyes. General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no drinking, eating and smoking at the workplace. Shower and change clothes at end of work shift. Do not wear contaminated clothing at home.

7.2 Conditions for safe storage, including any incompatibilities

Bulk storage should be in purpose – designed silos. Keep away from acids and nitro compounds. Keep out of reach of children. Do not use aluminium for transport or storage.

7.3 Specific end use(s)

Please check the identified uses in table 1 of the Appendix of this SDS.

For more information please see the relevant exposure scenario, available in the Appendix.

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

DNELs:

	Workers			
Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required			
Inhalation	4 mg / m ³ (Respirable dust)	No hazard identified	1 mg / m ³ (Respirable dust)	No hazard identified
Dermal	Hazard identified but no DNEL available	No hazard identified	Hazard identified but no DNEL available	No hazard identified

	Consumers			
Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	No exposure expected	No hazard identified	No exposure expected	No hazard identified
Inhalation	4 mg / m ³ (Respirable dust)	No hazard identified	1 mg / m ³ (Respirable dust)	No hazard identified
Dermal	Hazard identified but no DNEL available	No hazard identified	Hazard identified but no DNEL available	No hazard identified

PNECs:

Environment protection target	PNEC	Remarks
Fresh water	0.49 mg / L	

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

Freshwater sediments	No PNEC available	Insufficient data available
Marine water	0.32 mg / L	
Marine sediments	No PNEC available	Insufficient data available
Food (bioaccumulation)	No hazard identified	No potential for bioaccumulation
Microorganisms in sewage treatment	3 mg / L	
Soil (agricultural)	1080 mg / kg soil dw	
Air	No hazard identified	

Workplace Exposure Limit (WEL), 8 h TWA: 5 mg/m³

Occupational Exposure Limit (OEL), 8h TWA: 1 mg/m³ respirable dust of calcium oxide

Short-term exposure limit (STEL), 15 min: 4 mg/m³ respirable dust of calcium oxide

8.2 Exposure controls

To control potential exposures, intentional generation of mists and spray should be avoided. Consequential misting caused by interaction of fluid with fast moving machinery should be avoided. Further, appropriate protective equipment is recommended. Eye protection equipment (e.g. goggles or visors) must be worn, unless potential contact with the eye can be excluded by the nature and type of application (i.e. closed process). Additionally, face protection, protective clothing and safety shoes are required to be worn as appropriate.

Please check the relevant exposure scenario, given in the Appendix of this SDS.

8.2.1 Appropriate engineering controls

If user operations intentionally or consequently generate mist and spray, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne mist levels below recommended exposure limits.

8.2.2 Individual protection measures, such as personal protective equipment

8.2.2.1 Eye/face protection

Do not wear contact lenses. Eyewash facilities should be readily available.

8.2.2.2 Skin protection

Since calcium dihydroxide is classified as irritating to skin, dermal exposure has to be minimised as far as technically feasible. The use of protective gloves (nitrile), protective standard working clothes fully covering skin, full length trousers, long sleeved overalls, with close fittings at openings and shoes resistant to caustics and avoiding dust penetration are required to be worn.

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

8.2.2.3 Respiratory protection

Local ventilation to keep levels below established threshold values is recommended. A suitable particle filter mask is recommended, depending on the expected exposure levels - please check the relevant exposure scenario, given in the Appendix/available via your supplier.

8.2.2.4 Thermal hazards

The substance does not represent a thermal hazard, thus special consideration is not required.

8.2.3 Environmental exposure controls

All ventilation systems should be filtered before discharge to atmosphere.

Avoid releasing to the environment.

Contain the spillage. Any large spillage into watercourses must be alerted to the regulatory authority responsible for environmental protection or other regulatory body.

For detailed explanations of the risk management measures that adequately control exposure of the environment to the substance please check the relevant exposure scenario, available via your supplier.

For further detailed information, please check the Appendix of this SDS.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	White or off white (beige) suspension in water.
Odour:	odourless
Odour threshold:	not applicable
pH:	12.4 (Ca(OH) ₂ saturated solution at 20°C)
Melting point:	0°C (water)
Boiling point:	100°C (water)
Flash point:	not applicable
Evaporation rate:	not applicable
Flammability:	non flammable (study result for calcium hydroxide, EU A.10 method)
Explosive limits:	non explosive (void of any chemical structures commonly associated with explosive properties)
Vapour pressure:	2.3 kPa at 20°C)
Vapour density:	0.62
Relative density:	1.06 – 1.38 g/ml depending on concentration
Solubility in water:	1844.9 mg/L (study results for calcium hydroxide, EU A.6 method)
Partition coefficient:	not applicable
Auto ignition temperature:	no relative self-ignition temperature below 400 °C (study result, EU A.16 method)
Decomposition temperature:	When heated above 580°C, calcium dihydroxide decomposes to produce calcium oxide (CaO) and water (H ₂ O)
Viscosity:	not applicable

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

Oxidising properties: no oxidising properties (Based on the chemical structure, the substance does not contain a surplus of oxygen or any structural groups known to be correlated with a tendency to react exothermally with combustible material)

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The mixture dissociates resulting in the formation of calcium cations and hydroxyl anions (when below the limit of water solubility).

10.2 Chemical stability

Under normal conditions of use and storage, the mixture is stable.

10.3 Possibility of hazardous reactions

The mixture reacts exothermically with acids. When heated above 580 °C, calcium dihydroxide decomposes to produce calcium oxide (CaO) and water (H₂O): $\text{Ca(OH)}_2 \rightarrow \text{CaO} + \text{H}_2\text{O}$

10.4 Conditions to avoid

None.

10.5 Incompatible materials

The mixture reacts exothermically with acids to form salts. Calcium dihydroxide reacts with aluminium and brass in the presence of moisture leading to the production of hydrogen.



10.6 Hazardous decomposition products

None

Further information: The constituent calcium dihydroxide reacts with carbon dioxide to form calcium carbonate, which is a common material in nature.

SECTION 11: TOXICOLOGICAL INFORMATION

The mixture is classified as irritating to skin and the respiratory tract and it entails a risk of serious damage to the eye.

11.1 Information on toxicological effects

a. Acute toxicity

The substance calcium dihydroxide is not acutely toxic.

Oral LD50 > 2000 mg/kg bw (OECD 425, rat)

Dermal LD50 > 2500 mg/kg bw (OECD 402, rabbit)

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

Inhalation no data available

Classification for acute toxicity is not warranted.

b. Skin corrosion/irritation

The mixture is irritating to skin (in vivo, rabbit).

c. Serious eye damage/irritation

The mixture entails a risk of serious damage to the eye (eye irritation studies (in vivo, rabbit)).

d. Respiratory or skin sensitisation

The constituent calcium dihydroxide is considered not to be a skin sensitiser, based on the nature of the effect (pH shift) and the essential requirement of calcium for human nutrition.

Classification for sensitisation is not warranted.

e. Germ cell mutagenicity

Bacterial reverse mutation assay (Ames test, OECD 471): Negative

Mammalian chromosome aberration test: Negative

In view of the omnipresence and essentiality of Ca and of the physiological non-relevance of any pH shift induced by lime in aqueous media, the mixture is obviously void of any genotoxic potential, including germ cell mutagenicity.

Classification for genotoxicity is not warranted.

f. Carcinogenicity

Calcium (administered as Ca-lactate) is not carcinogenic (experimental result, rat).

The pH effect of the mixture does not give rise to a carcinogenic risk.

Human epidemiological data support lack of any carcinogenic potential of calcium dihydroxide.

Classification for carcinogenicity is not warranted.

g. Reproductive toxicity

Calcium (administered as Ca-carbonate) is not toxic to reproduction (experimental result, mouse).

The pH effect does not give rise to a reproductive risk.

Human epidemiological data support lack of any potential for reproductive toxicity of calcium dihydroxide.

Both in animal studies and human clinical studies on various calcium salts no reproductive or developmental effects were detected. Also see the Scientific Committee on Food (Section 16.6). Thus, calcium dihydroxide is not toxic for reproduction and/or development.

Classification for reproductive toxicity according to regulation (EC) 1272/2008 is not required.

h. STOT-single exposure

From human data it is concluded that Ca(OH)₂ is irritating to the respiratory tract.

i. STOT-repeated exposure

No classification warranted.

j. Aspiration hazard

No classification warranted.

SECTION 12: ECOLOGICAL INFORMATION

All the information in this section refers to the main constituent calcium hydroxide.

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

12.1 Toxicity

12.1.1 Acute/Prolonged toxicity to fish

LC₅₀ (96h) for freshwater fish: 50.6 mg/l

LC₅₀ (96h) for marine water fish: 457 mg/l

12.1.2 Acute/Prolonged toxicity to aquatic invertebrates

EC₅₀ (48h) for freshwater invertebrates: 49.1 mg/l

LC₅₀ (96h) for marine water invertebrates: 158 mg/l

12.1.3 Acute/Prolonged toxicity to aquatic plants

EC₅₀ (72h) for freshwater algae: 184.57 mg/l

NOEC (72h) for freshwater algae: 48 mg/l

12.1.4 Toxicity to micro-organisms e.g. bacteria

At high concentration, through the rise of pH, calcium dihydroxide is used for disinfection of sewage sludges

12.1.5 Chronic toxicity to aquatic organisms

NOEC (14d) for marine water invertebrates: 32 mg/l

12.1.6 Toxicity to soil dwelling organisms

EC₁₀/LC₁₀ or NOEC for soil macro organisms: 2000 mg/kg soil dw

EC₁₀/LC₁₀ or NOEC for soil micro organisms: 12000 mg/kg soil dw

12.1.7 Toxicity to terrestrial plants

NOEC (21d) for terrestrial plants: 1080 mg/kg

12.1.8 General effect

Acute pH-effect. Although this product is useful to correct water acidity, an excess of more than 1 g/l may be harmful to aquatic life. pH-value of > 12 will rapidly decrease as result of dilution and carbonation

12.2 Persistence and degradability

Not relevant for inorganic substances

12.3 Bioaccumulative potential

Not relevant for inorganic substances

12.4 Mobility in soil

Calcium dihydroxide which is sparingly soluble, and present a low mobility in most soils

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

12.5 Results of PBT and vPvB assessment

Not relevant for inorganic substances

12.6 Other adverse effects

No other adverse effects are identified

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal of the mixture should be in accordance with local and national legislation. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with applicable member state and local requirements. The used packing is only meant for packing this product; it should not be reused for other purposes. After usage, empty the packing completely.

SECTION 14: TRANSPORT INFORMATION

Calcium hydroxide is not classified as hazardous for transport [ADR (Road), RID (Rail), ICAO/IATA (air), AND (inland waterways) and IMDG (Sea)].

14.1 UN-Number

Not regulated

14.2 UN proper shipping name

Not regulated

14.3 Transport hazard class

Not regulated

14.4 Packing group

Not regulated

14.5 Environmental hazards

None

14.6 Special precautions for user

Avoid any release of dust during transportation

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not regulated.

SECTION 15: REGULATORY INFORMATION

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

Authorisations: Not required

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

Restrictions on use:	None
Other EU regulations:	The substance Calcium hydroxide is not a SEVESO substance, not an ozone depleting substance and not a persistent organic pollutant.
National regulations:	Water endangering class 1 (Germany)

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for the ingredient calcium hydroxide.

SECTION 16: OTHER INFORMATION

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

16.1 Hazard Statements

- H315: Causes skin irritation
- H318: Causes serious eye damage
- H335: May cause respiratory irritation

16.2 Precautionary Statements

- P102: Keep out of reach of children
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P305+P351: IF IN EYES: Rinse cautiously with water for several minutes
- P310: Immediately call a POISON CENTRE or doctor/physician
- P302+P352: IF ON SKIN: Wash with plenty of soap and water
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P501: Dispose of contents/container in accordance with local/regional/national/international regulation - use a registered hazardous waste carrier/licence holder, and/or contact the manufacturer

16.3 Risk Phrases

- R37: Irritating to respiratory system
- R38: Irritating to skin
- R41: Risk of serious damage to eyes

16.4 Safety Phrases

- S2: Keep out of the reach of children
- S25: Avoid contact with eyes
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S37: Wear suitable gloves
- S39: Wear eye/face protection

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

16.5 Abbreviations

EC₅₀: median effective concentration
LC₅₀: median lethal concentration
LD₅₀: median lethal dose
NOEC: no observable effect concentration
WEL: workplace exposure limit
OEL: occupational exposure limit
PBT: persistent, bioaccumulative, toxic chemical
PNEC: predicted no-effect concentration
STEL: short-term exposure limit
TWA: time weighted average
vPvB: very persistent, very bioaccumulative chemical
EULA: European Lime Association
DNEL: derived no-effect level

16.6 Revision

SDS revised in accordance with EULA SDS format
The word "SECTION" has been included in each chapter.
Section 1, 1.1 - 'Chemical name and formula' removed
Section 3.2 - 'Hazardous ingredients' tubulised.
Section 4, 4.1 - Description of first aid measures, Following ingestion - word 'following' changed to 'after' ingestion
Section 8, 8.1 - Control parameters, DNEL's, Oral 'No exposure expected' changed to 'Not required'.
Section 8, 8.2.2.1 - Eye/Face protection - It is also advisable to have individual pocket eyewash.' replaced with 'Eyewash facilities should be readily available.'
Section 10, 10.4 - Conditions to avoid - 'Minimise exposure to air and moisture to avoid degradation.' replaced with 'None.'
Section 14: TRANSPORT INFORMATION - 'The mixture is not classified as hazardous for transport (ADR (Road), RID (Rail), IMDG / GGVSea (Sea)).' replaced with 'Calcium hydroxide is not classified as hazardous for transport [ADR (Road), RID (Rail), ICAO/IATA (air), AND (inland waterways) and IMDG (Sea)].'
Section 16, 16.6 - Key literature references - removed.

Disclaimer

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1907/2006; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.

SD40 Safety Data Sheet

Aqualime Range

Prepared in accordance with Annex II of the REACH Regulation EC 1907/2006,
Regulation (EC) 1272/2008 and Regulation (EC) 453/2010

Revision date: March 2013

Printing Date: March 15, 2013

ANNEX

Addition of exposure Scenarios as applicable - Please see Appendix SD40A SDS – Aqualime Lime Range.