



## Section 1: Identification of the substance and of the company/undertaking

### 1.1 Product Identifier

**Product name:** Water Shield

**Product code:** S15XX

**Synonyms:** -

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

**Use of substance / mixture:** Water based sealer for stone and masonry surfaces.

### 1.3 Details of the supplier of the safety data sheet

**Company name:** Stone Tech (Cleveland) Ltd.  
Lee Road  
Bolckow Industrial Estate  
Middlesbrough  
TS6 7AR  
United Kingdom

**Telephone:** 01642 430 099

**Email:** info@stone-tech.co.uk

### 1.4 Emergency telephone number

**Telephone:** 01642 430 099

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (EC 1272/2008):** Not subject to any hazard classification under CLP.



## 2.2 Label elements

### Label elements:

**Hazard statements:** H320 – Causes eye irritation

**Precautionary statements:** Keep out of reach of children.  
Avoid breathing spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Call a doctor/physician.  
This material and its container must be disposed of in a safe way.

## 2.3 Other hazards

**Other hazards:** Inhalation of aerosol spray may damage health.

## Section 3: Composition/information on ingredients

### 3.2 Mixtures

#### WATER SHIELD

Polydimethylsiloxane with amino alkyl groups, emulsified with water

#### ALPHA-ISO-TRIDECYL OMEGAHYDROXY-POLYGLYCOLETHER

**CAS / EC no.:** 9043-30-5

**Classification:** H318

**Concentration:** Less than 1% w/w

#### TRIETHOXY (2,4,4-TRIMETHYLPENTYL) SILANE

**CAS / EC no.:** 35435-21-3

**Classification:** H411

**Concentration:** Less than 1% w/w

## Section 4: First aid measures

### 4.1 Description of first aid measures



<b>Skin contact:</b>	Wash off skin with clean running water. Remove and launder heavily soaked clothing which may be in contact with skin.
<b>Eye contact:</b>	Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.
<b>Ingestion:</b>	Clean out mouth with copious volumes of water. Do not induce vomiting. Seek prompt medical attention and show this data sheet.
<b>Inhalation:</b>	If inhaled, clear out mouth with clean water and seek medical attention. If irritation or breathing difficulties persist, seek medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

<b>Skin contact:</b>	No symptoms anticipated.
<b>Eye contact:</b>	Irritation and temporary redness.
<b>Ingestion:</b>	Irritation of throat and abdominal pain.
<b>Inhalation:</b>	No symptoms anticipated.

#### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Immediate / special treatment:</b>	Only if ingestion or eye irritation has occurred.
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### Section 5: Fire fighting measures

#### 5.1 Extinguishing media

<b>Extinguishing media:</b>	Dry powder; Foam, CO <sub>2</sub> – Do not use water jets.
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#### 5.2 Special hazards arising from the substance or mixture

<b>Combustion hazards:</b>	NON FLAMMABLE PRODUCT – will not produce noxious, irritating fumes.
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#### 5.3 Advice for fire fighters

<b>Advice for fire fighters:</b>	Water based product should not pose any specific risk.
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## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Wear personal protective equipment recommended in section 8.

### 6.2 Environmental precautions

**Environmental precautions:** Do not allow spill to enter drains or watercourses. Form a dam with sand, earth or a boom. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules.

### 6.3 Methods and material for containment and cleaning up

**Spill removal methods:** Confine residues in clearly marked sealed containers for disposal in accordance with Local Authority regulations for non-hazardous emulsion based coatings – subject to special waste management controls.

### 6.4 Reference to other sections

**Reference to other sections:** Wear protective clothing as described in section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

**Safe handling precautions:** Wear protective clothing for prolonged exposure and/or high concentrations. Ventilate well, avoid breathing vapours if application method forms a spray mist then use approved respirator if air contamination is above accepted level. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (respiratory protection). Ensure adequate ventilation. Spilled product increases risk of slipping.

### 7.2 Conditions for safe storage, including any incompatibilities



- (a) **Safe storage conditions:** Store in tightly closed original container. Keep in original container.
- (b) **Incompatible materials:** None known – keep container away from directed sources of heat.

### 7.3 Specific end use(s)

**Specific end use(s):** The identified uses for this product are detailed in section 1.2.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

Substance	8 hour exposure limit	15 minute exposure limit	Source type
	None applicable	None applicable	

### 8.2 Exposure controls

- Engineering controls:** Provide adequate general and local exhaust ventilation particularly if application creates a spray mist.
- Respiratory protection:** No specific recommendation is made, but appropriately specified respiratory protection must be used if application creates a spray mist.
- Hand protection:** Wear elbow length latex rubber (chlorinated) or nitrile gloves approved to EN 374 and EN 420 with a BTT rating of > hrs.
- Eye protection:** BS 2092 approved safety goggles should be worn for all applications to help prevent accidental face/eye contact.
- Other protection:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
- Hygiene measures:** Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. When using do not eat, drink or smoke.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties



<b>Appearance:</b>	Opaque milky white liquid.
<b>Odour:</b>	Negligible.
<b>Odour threshold:</b>	Lower.
<b>Evaporation rate:</b>	As per water.
<b>Oxidising:</b>	Not applicable.
<b>Solubility in water:</b>	100%
<b>Solubility in oils:</b>	nil
<b>Viscosity:</b>	50 – 75 mPa.s
<b>Boiling point / range °C:</b>	100
<b>Melting point / range °C:</b>	Not applicable.
<b>Flammability limits % lower:</b>	Not applicable.
<b>Flammability limits % upper:</b>	Not applicable.
<b>Flash point °C:</b>	Not applicable.
<b>Part. coeff. n-octanol / water:</b>	No data available.
<b>Autoflammability °C:</b>	Not applicable.
<b>Vapour pressure:</b>	Not applicable.
<b>Vapour density:</b>	Not applicable.
<b>Relative density:</b>	1.005 +/- 0.003
<b>pH:</b>	Not applicable.

## Section 10: Stability and reactivity

### 10.1 Conditions to avoid

**Conditions to avoid:** Avoid exposure to extreme temperatures.

### 10.2 Incompatible materials

**Incompatible materials:** Acids and oxidising agents.

### 10.3 Decomposition hazards



**Decomposition hazards:** Not determined.

## 10.4 Reactivity

**Reactivity:** Stable.

## 10.5 Chemical reactivity

**Chemical reactivity:** Stable.

## 10.6 Risk of hazardous reaction

**Risk of hazardous reaction:** None under normal use.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

This product has not been exhaustively tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

<b>Routes of exposure:</b>	Inhalation, skin contact and ingestion.
<b>Eye damage/irritation:</b>	Burning feeling and temporary redness.
<b>Reproductive toxicity:</b>	Not applicable.
<b>STOT single exposure:</b>	Not applicable.
<b>STOT repeat exposure:</b>	Not applicable.
<b>Skin corrosivity / irritation:</b>	Not applicable.
<b>Respiratory/skin sensitisation:</b>	Not applicable.
<b>Germ cell mutagenicity:</b>	Not applicable.
<b>Carcinogenicity:</b>	No evidence of carcinogenic properties.
<b>Aspiration hazard:</b>	Not applicable.

## Section 12: Ecological information



## 12.1 Ecotoxicity

**Ecotoxicity:** Not determined.

## 12.2 Bio-accumulative potential

**Bio-accumulative potential:** Limited.

## 12.3 Persistence and degradability

**Persistence and degradability:** The products of hydrolysis are readily biodegradable.

## 12.4 Mobility in soil

**Mobility:** Silicone content absorbed by floating particles.

## 12.5 Results of PBT and vPvB assessment

**PBT identification:** Not classified as PBT/vPvB.

## 12.6 Other adverse effects

**Other adverse effects:** Not applicable.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Waste is suitable for incineration. When this product, in its liquid state, as supplied becomes waste it should be disposed of as hazardous waste. Empty used containers should be disposed of as waste code 15 01 10 packaging containing residues of or contaminated by environmentally hazardous substances. Any absorbents used for clearing up soils should be disposed of using waste code 15 02 02, for absorbents contaminated by dangerous substances.





## Section 14: Transport information

**Transport labels:** Non-required – not classified.

## Section 15: Regulatory information

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

All components are listed as existing substances in Europe.

**UK Regulatory references:** Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals Environmental Listing – Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980. UK HSE Control of Pesticides Regulations 1986 - HS- No. 8075.

**Statutory instruments:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Approved Code of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

**Guidance notes:** Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

**EU legislation:** Dangerous Substance Directive 67/548/EEC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC. 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EU) No 528/2012 of the European Parliament – The market and use of biocidal products.

**National regulations:** Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using the product. The guidelines given in the HSE publication COSHH ESSENTIALS – Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

**Authorisations (Title VII Regulation 1907/2006):** No specific authorisations are noted for this product.

**Restrictions (Title VII Regulation 1907/2006):** No specific restrictions of use are noted for this product.



## 15.2 Chemical safety assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for this product.

## Section 16: Other information

### Other information

**Last revision date:** 17<sup>th</sup> May 2015

**List of abbreviations used in this SDS:**

- CAS** Chemical abstracts service
- CLP** Classification, labelling & packaging regulation (EC) No. 1272/2006
- DSD** Dangerous substances Directive 67/548/EEC
- DPD** Dangerous Products Directive 1999/45/EC
- PBT** Persistent, Bio-accumulative & Toxic
- REACH** Registration, Evaluation, Authorisation & Restriction of Chemicals Regulation (EC) 1907/2006
- vPvB** Very Persistent, very Bio-accumulative

**References:** Volume VII Approved supply list; EH40; Appendix VI; Croner; supplier data sheets

**Classification methods:**

**Phrases use in section 3:**

- H319 – Causes serious eye irritation.
- H411 – Hazardous to the aquatic environment.

**Training for workers:**

**Disclaimer:** The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. The data sheet complies with EC Directive 91/155EC.

