



**CONCRETE
AQUA GUARD**



MATERIAL SAFETY DATA SHEET

1. Identification of the substance/mixture of the company/undertaking

1.1 Product Identifier

Product Trade Name: **Crystal Top Coat**

1.2. Relevant identified uses of the substance or mixture and uses advised against Applications; Surface-applied concrete treatment for existing concrete structures.

1.3. Details of the supplier of the safety data sheet

Supplier

Concrete Aqua Guard Ltd.

Address Teelin Rd Carrick Co Donegal

Telephone: 074 9739011

Email:concreteaquagurd@gmail.com

Website: www.concreteaquaguard.com

1.4. Emergency telephone number

Emergency telephone number, **0872073814**

2. Hazard Identification

2.1. Classification of the substance or mixture

Classification according to directives 67/548 EC or 1999/45 EC

This product is classified as dangerous according to Directive 1999/45 EC and its amendments.

Classification; Xi; R41, R37/38

Human Health Hazards:

Risk of serious eye damage. Irritates respiratory tracts and skin.

Class and risk category:

Code Regulation EC 1272/2008 (clp)

Health Hazards;

Skin Irrit. 2, H315

Eye Damage. 1, H318

STOT SE 3, H335 (respiratory tract irritation)

The product is classified as dangerous under EC Regulation 1272/2008 as amended.

2.2 Label Elements

Labeled 67/548 EC or 1999/45 EC

Symbol(s)



Symbol(s) Xi; Irritating



2.3 Other Hazards

No known risks.

3. Composition/Information on ingredients

Chemical Description:

Mixture of cement, aggregates and additives.

Dangerous components:

There are no additional ingredients which, within the current knowledge are classified as hazardous to health or environment, such as PBT or vPvB or have been assigned a workplace exposure limit and therefore require reporting in this section.

Name of the ingredient	Content %	67/548/EC	EC Regulation no. 1272/2008 [CLP]	Type
Portland Cement, Chemicals CE: 266-043-4 CAS: 65997-15-1	>=30 - <50	Xi; R41, R37/38	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 (Irritating to respiratory system)	[1]
Silicious sand CE: 238-878-4 CAS: 14808-60-7	>=40 - <60	R41, R37/38	Eye Dam. 1, H318 STOT SE 3, H335 (Irritating to respiratory system)	[1]
Calcium hydroxide CE: 215-137-3 CAS: 1305-62-0	>=6 - <9	Xi; R41, R37/38	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 (Irritating to respiratory system)	[1]

[1] Substance classified with a risk to health or the environment.

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to EC Regulation no. 1907/2006, Annex XI

[4] Substance meets the criteria for vPvB according to EC Regulation no. 1907/2006, Annex XIII

[5] Substance that gives rise to an equivalent level of concern.

4. First aid measures

4.1. Description of first aid measures

If inhaled: Move to fresh air. Consult a physician after significant exposure.

In case of eye contact: Wash off with soap and plenty of water. Take off contaminated clothing and shoes immediately. In case of skin irritation call a physician. **In case of eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital.

If swallowed: Do not induce vomiting. Get medical attention immediately.

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

Symptoms relating to use; Not present a significant risk under conditions of normal use.



**CONCRETE
AQUA GUARD**



MATERIAL SAFETY DATA SHEET

4.3. Protection of first-aiders

Overall information: Never give anything by mouth to an unconscious person. Consult a physician. Show this material safety data sheet to the doctor in attendance.

5. Fire-fighting measures

5.1. Suitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Specific hazards: Non-flammable.

5.3. Advice for firefighters

Protective measures in fire: Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Use personal protective equipment. Deny access to unprotected persons.

6.2. Environmental precautions.

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and materials for containment and cleaning up

Spill cleanup methods: At all times avoid inhalation of product and contact with skin and eyes. Contain the spillage. Keep the material dry if possible. Wear full personal protective equipment when cleaning up, whatever method is chosen. When the product is in a dry state, avoid airborne dust generation when cleaning up. Avoid dry sweeping. Examples of cleanup methods when in dry state are:

(A) Using a vacuum cleaner (Industrial portable units), equipped with high efficiency particulate filters (HEPA filter) or equivalent technique.

(B) Wipe up the dust by mopping, wet brushing or water sprays or hoses with a fine mist to avoid the dust becoming airborne and remove slurry. Ensure drains are covered.

If the product has become wet, clean up and place in watertight container. Allow material to dry and solidify before disposal. Check current regulations before disposing of spillage, whether in dry state or not.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection



7. Handling and storage

7.1. Precautions for safe handling

Usage precautions: Wear appropriate personal protective equipment – see section 8. Do not get in eyes, on skin or on clothing. Ensure adequate ventilation and have ventilation equipment available if required due to possibility of generation of airborne dust. Avoid mishandling of pails of bags so as to prevent accidental bursting and creation of dust.

Handling: Do not drink or smoke when handling or applying product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Condition for safe storage

Storage: Keep container tightly closed and well-ventilated place. Store in a dry place. Protect from moisture. Store in original container. Store in accordance with local regulations. Containers which are opened must be carefully released and kept upright to prevent leakage. No storage in unlabeled containers and far from ignition sources.

7.3. Specific end use(s)

Specific use(s): Contact supplier for more information.

8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection



Personal protection: Avoid unnecessary exposure.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin and body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Others: Don't eat, drink or smoke when handling or applying product.

8.2. Control parameters

Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.



9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Powder.

Color: Grey.

Odour: None.

Odour Threshold: Not data available

pH: pH11-13.

Melting/Freezing Point: Not applicable

Auto-ignition temperature [°C]: Not applicable.

Ignition temperature: Not applicable.

Flammability point [°C]: Not applicable.

Initial Boiling Point and Range: Not applicable

Evaporation rate: No data available.

Lower explosion limit [Vol %]: Not data available.

Upper explosion limit [Vol %]: Not data available.

Vapour pressure mm/Hg: Not data available..

Vapour Density: Not applicable.

Density [g/cm³]: 1.00-1.10

Water Solubility: Soluble.

Solubility: Water.

Viscosity: No data available

9.2. Other information

10. Stability and reactivity

10.1. Reactivity

Reactivity: Not established.

10.2. Stability

Chemical stability: No data available.

10.3. Possibility of hazardous reactions

Hazardous reactions: Not established.

10.4. Conditions to avoid

Conditions to avoid: No data available.

10.5. Incompatible materials

Materials to avoid: No data available.

10.6. Hazardous decomposition products

Hazardous decomposition products: No data available.



11. Toxicological Information

11.1. Information on toxicological effects

Acute Toxicity: Not available.

Skin contact: Irritating to skin.

Sensitization: May have an irritating effect on moist skin (due to transpiration of humidity).

Mutagenicity: Not available.

Carcinogenicity: Not available.

Reproductive toxicity: Not available.

Specific Target Organ Toxicity-Single Exposure: Not available.

Specific Target Organ Toxicity-Repeat Exposure: Not available.

Aspiration Hazard: Not available

12. Ecological Information

12.1. Toxicity

Information about toxicity: Not data available.

12.2. Persistence and degradability

Persistence and degradability: Bio-degradable.

12.3. Bio accumulative potential

Bio accumulative potential: Not available.

12.4. Mobility in soil

Mobility in soil: Not available.

12.5. Results of PBT and vPvB assessment

PTB/vPvB: Not available.

12.6. Other adverse effects

Precautions for environmental protection: Avoid release to the environment.

13. Disposal Considerations

13.1. Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.



**CONCRETE
AQUA GUARD**



MATERIAL SAFETY DATA SHEET

14. Transport Information

14.1. ADG/ADR: Not regulated

14.2. IMDG: Not regulated

14.3. ICAO/IATA: Not regulated

15. Regulatory information

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

Ensure all national and local regulations are observed

15.2. Chemical safety assessment

Chemical Safety Report (CSR) has not been carried out for this product.



**CONCRETE
AQUA GUARD**



MATERIAL SAFETY DATA SHEET

16. Other information

Revision: Revision 3

Abbreviations and acronyms: No applicable

Source of data: In EC Regulation no.1907/2006 (REACH), Annex II – Spain

Explanations to R-phrases in section 3

R41- Risk of serious damage to eyes.

R37/38- Irritating to respiratory system and skin.

Full text of H-Statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation

Full text of classifications [DSD/DPD]:

Xi - Irritating

Full text of other abbreviations.

STOT SE: Specific target organ toxicity – single exposure

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

IATA: International Air Transport Association

IMDG: International maritime code for dangerous goods

vPvB: Very persistent and very bioaccumulative

REACH: 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

Additional Information:

Disclaimer

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.