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CA-2143267-3

EXOLINE® AQUA STOP C+ SMALL

Waterproof and antifreeze concrete additive

Hydraulic bonding produced by nanotechnology, universal, hydrophobic additive for indoor and outdoor use for the preparation of waterproof and frost-resistant concretes.

Tariff item number: 32149000



SAFETY DATA SHEET

Prepared under Regulation (EC) No 1907/2006 (REACH) as amended by Regulation (EU) No 453/2010.

Review date: 30.07.2021.

Version number: 1.1 (5060421890265)

1. SECTION 2: DESCRIPTION OF MATERIAL/COMPANY AND COMPANY/COMMUNITY

1.1 Identification of the product:

Product name: **Exoline® Aqua Stop C+ Small** Waterproofing and antifreeze concrete admixture
Product serial number: 5060421890265

1.2 Proper identification of the material:

A nanotechnology-derived, hydraulically-bonded, universal, hydrophobic additive for the formulation of indoor and outdoor waterproofing and frost-resistant concretes.

1.3 Identification of the manufacturer:

Company: Exoline Ltd.
Address: Office 5, The Round House, Dormans Park Road, East Grinstead, England, RH19 2EN
Tel: HU +36304233558 | UK +447874736428
E-mail: info@exoline.co.uk
Web: www.exoline.co.uk

1.4 Hungarian Wage Manufacturer:

Company: Nterworld Kft.
Address: Hungary 5800 Mezőkovácsháza, Árpád utca. 247sz.
Tel: +36304233558
E-mail: nterworldkft@gmail.com
Web: www.nterworldkft.hu

Company: Baumidex Kft.
Address: 8400 Ajka, Industrial Park, North Sector 3/1
Tel: +36309270430
E-mail: pek.attila@baumidex.hu
Web: www.baumidex.hu
Tax number: 11963468-2-19

1.5 Emergency information:

Address: Health Toxicology Information Service (HTSIS) 1096 Budapest, Nagyvárad tér 2.
Tel: +3680201199 (free, available 24 hours a day), +3614766464

2. STAGE 1: IDENTIFYING THE THREAT

2.1 Product type: additive

Classification: according to Regulation (EC) No 1272/2008
Skin irritation: class 2
Severe eye damage: class 1

2.2 Tagged items:

Marking as required by (EC) No 1272/2008
Components determining the hazards: calcium hydroxide

Pictograms indicating danger: GHS07  GHS05 

Warning H instructions:

H315 - Chilling effect.
H318 - May cause serious eye damage.

Warning P instructions:

P102 - Keep out of the reach of children.
P261 - Avoid inhalation of dust, smoke, gas, mist, vapours, spray.
P262 - Do not get in eyes, on skin or clothing.
P270 - Do not eat, drink or smoke while using the product.
P280 - Use of gloves, protective clothing, eye protection, face protection is mandatory.
P305 + P351 + P338 - In case of contact, rinse gently with water for several minutes. If appropriate, remove contact lenses if easy to do. Continue rinsing.
P305 + P310 - Contact a toxicology centre or doctor immediately.
P302 + P352 - If on skin, wash off with plenty of soapy water.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Title	CAS number	EU number	Concentration	Danger sign	H-clause
Organic Ingredients	65997-16-2	266-045-5	<30%	GHS05	H315, H318, H335
Calcium hydroxide	1305-62-0	215-137-3	<70%	GHS05	H315, H318, H335

4. SECTION 3: FIRST AID MEASURES

4.1 Description of first aid measures:

CUTTING:

- Do not induce vomiting.
- See a doctor immediately and show the label.
- Place the victim in a comfortable position and keep them warm.

- Give the victim plenty of water to drink.
- Do not give the victim anything orally if the victim is unconscious.

INCLUDING:

- Take the victim out into the fresh air and let him rest.
- If symptoms occur, seek medical advice.

SKIN CONTACT:

- Take off dirty clothes.
- Wash the contaminated skin with plenty of water and soap (do not use solvents).
- If irritation occurs, seek medical advice.

EYE CONTACT:

- In case of contact with eyes, rinse immediately with water, spreading the eyelids and moving the eyeballs (for at least 15 minutes). Seek medical attention.

4.2 The main symptoms and effects, both acute and delayed:

Inhalation: dust causes coughing.

Eye contact: Causes conjunctivitis with mild swelling.

4.3 Indicate the immediate medical attention and special treatment needed:

No specific treatment needed; symptomatic treatment

5. SECTION 3: FIRE SAFETY MEASURES**5.1 Detergents:****Appropriate vaccine:**

- The product is not flammable.
- Choose the extinguishing agent depending on the surrounding fire.

Unsuitable vaccine:

- No unsuitable vaccines are known.

5.2 Special hazards arising from the substance or mixture:

In the event of fire, dangerous fumes can be formed and inhalation of such combustion products can have serious health effects.

5.3 Advice for firefighters:

Full protective clothing and closed breathing apparatus must be worn to avoid contact with skin and eyes and inhalation of hazardous gases and fumes. Avoid inhalation of fumes. Cool containers affected by fire with water. Do not discharge extinguishing water into drains or watercourses.

6. SECTION 2: MEASURES IN THE EVENT OF ACCIDENTAL RELEASE**6.1 Personal precautions:**

- Only designated persons wearing appropriate protective equipment and participating in the rescue operation are allowed in the work area at risk. If necessary (e.g. in the event of fire), protective equipment must be provided for those involved in the rescue.
- Avoid dust formation, do not inhale dust.
- Avoid contact with the material.

6.2 Environmental precautions:

- Spilled and cleaned up waste must not be discharged into living water, soil or public sewers. In case of small spills, dilute with large quantities of water. If large quantities are released into the environment, notify the authorities.
- May cause environmental damage due to its alkaline chemistry.

6.3 Methods of decontamination:

The affected area must be cleaned dry.

7. SECTION 3: HANDLING AND STORAGE**7.1 Precautions for safe handling:**

- Observe traditional hygiene precautions.
- Avoid inhaling dust.
- Do not get in eyes, on skin or clothing.
- Do not eat, drink or smoke while using the product.
- Wash your hands and face after treatment.

7.2 Technical measures:

- Ensure adequate ventilation.
- Fire and explosion precautions:
- No special measures are needed.

7.3 Conditions for safe storage, including possible conflicts of interest:

- Technical measures and storage conditions:
- Keep in an original, closed and properly labelled container.
- The storage area must be cool, well ventilated and cleanable.

7.4 Specific end use(s):

No specific instructions are available.

8. STAGE 2: EXPOSURE CONTROL/PERSONAL PROTECTION**8.1 In the workplace airspace, compliance with the permissible limit is required.**

Occupational exposure limit values (COMMISSION DIRECTIVE (EU) 2017/164 of 31 January 2017 establishing a fourth list of occupational exposure limit values in accordance with Council Directive 98/24/EC and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU) Calcium dihydroxide (CAS: 1305-62-0): limit values: 8 hours: 1 mg/m³, short-term: 4 mg/m³

8.2 Exposure control: for a hazardous substance for which there is no regulated concentration limit, the employer has a duty to reduce the concentration level to the lowest achievable level by existing scientific and technological means, provided the hazardous substance does not harm workers.

8.3 Proper technical inspection:

- Proper care should be taken during work to avoid spillage on clothing and floors and contact with eyes and skin.
- Contaminated clothing must be removed immediately.
- Apply skin protection creams.
- Ensure adequate ventilation.
- Wash your hands and face after treatment.

8.4 Personal protective measures, such as personal protective equipment:

Eye and face protection: use appropriate goggles and face mask (EN 166).

Skin protection:

- Hand protection: use suitable alkali-resistant protective gloves (EN 374).
- Other: Use appropriate protective clothing.
- Respiratory protection: use suitable respiratory protection.
- Thermal hazards: no known thermal hazards.

Environmental exposure controls:

- No special instructions

The requirements detailed in **Section 8** assume workmanship under normal conditions and use of the product for its intended purpose. If conditions deviate from the norm, or if the work is carried out in extreme conditions, expert advice is required before deciding on further protective measures.

9. SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

Information on physical hazard classes: not classified.

Other safety features: no information available.

Parameters	
State of matter:	Solid powder
Colour:	Light grey
Smell:	Typical
PH value:	(20oC) 11,5
Melting point:	7-800
Source point:	Unspecified
Inflammation point:	Non flammable Density: (20oC) 3.37 g/cm ³
Density:	About 1500kg/m ³

10. STAGE 1: STABILITY AND REACTIVITY

- Reactivity: no known reactivity.
- Chemical stability: stable at normal temperatures and under general working conditions.
- Potential for dangerous reaction: see section 10.5.
- Circumstances to avoid: no known circumstances to avoid.
- Incompatible materials: acids, light metals.
- Hazardous decomposition products: No hazardous decomposition products are known.

11. SECTION 3: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

- Acute toxicity: Based on the available data, the classification criteria are not met.
- Skin corrosion/irritation: causes skin irritation.
- Severe eye damage/eye irritation:
- Causes severe eye damage.
- Respiratory or dermal sensitisation: Based on the available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on the available data, the classification criteria are not met.
- Carcinogenicity: Based on the available data, the classification criteria are not met.
- Reproductive toxicity: Based on the available data, the classification criteria are not met.
- STOT single exposure: Based on available data, the classification criteria are not met.
- STOT repeated exposure: Based on the available data, classification criteria are not met.
- aspiration hazard: The available data indicate that the classification criteria are not met.

Summary of information from the study carried out: No data available

Relevant toxicological properties: LD50 (oral, rat): <5000 mg/kg

11.2 Information on likely exposure pathways:

Ingestion, inhalation, skin contact, eye contact.

12. Symptoms related to physical, chemical and toxicological characteristics:

- Inhalation: dust causes coughing.
- Eye contact: Causes conjunctivitis with mild swelling.
- Irritation: dust causes irritation of mucous membranes. The product causes severe eye irritation.
- Sensitisation: No known sensitising effect.
- Intense or prolonged exposure: No specific symptoms have been observed.
- Specific symptoms observed in animal studies:
 - Eye irritation test (rabbit): Mild irritation.
 - Skin irritation test (rabbit): no irritant effect.

12.1 Delayed and immediate effects, chronic effects of short and long-term exposure:

Causes skin irritation., Causes serious eye damage.

Interactive effects: no data.

Lack of specific data: no information.

Other information: No data available.

13. SECTION 3: ECOLOGICAL INFORMATION

Toxicity: the mixture is not classified as dangerous for the environment. The pH of the product is alkaline (due to its calcium hydroxide content) but can be neutralised with acetic acid or other weak acids. However, this alkaline pH may have adverse effects on the environment.

Durability and degradability: biodegradable in the environment.

Bioaccumulation potential: No bioaccumulation is expected.

Mobility in soil: The product is a fine powder with high dispersibility, which is highly water repellent and therefore floats on the water surface. Due to its hydrophobic properties, it can absorb large quantities of oil (mineral and vegetable). The saturated product is insoluble in water and therefore does not pollute it. The product is also able to bind oil contamination floating on the surface of the water and, being hydrophobic, it also floats on the surface of the water. The saturated mass can be removed from the water surface by pumping.

Results of PBT and vPvB assessment: no data available.

Other adverse effects: The product has a positive effect: it can neutralise the highly acidic pH of water. The **Exoline** adsorbent allows oxygen to pass through the water, leaving the gaseous metabolites produced by the photosynthesis of water free to pass through the adsorbent to the atmosphere.

The product does not remove oxygen from the water.

14. SECTION 3: DISPOSAL ASPECTS

Product: chemicals must be disposed of in accordance with current international laws.

Packaging: packaging materials must be disposed of in accordance with the laws of country.

Waste key definition: EWC code (European Waste Catalogue): 17 01 07 Construction and demolition waste

Recommendation on contaminated packaging: dispose of or reuse in accordance with local regulations.

15. SECTION 3: DELIVERY INFORMATION

Transport regulations (ADR, RID, ADN, ADNR, IMDG, ICAO, IATA)

Road transport ADR/RID:

- ADR Regulation on the transport of dangerous goods by road
- RID regulation on the transport of dangerous goods by rail
- ADR / RID class - Hazard (Kemler) identification number - no data
- ADR /RID packing group - Hazard symbol / TREM card - no data
- Material identification number - UN number - no data

Maritime transport: IMO/IMDG

Corresponding shipping name: No details

MAR/POL 73/78 Annex III: No data

Air transport ICAO/IATA: There are no specific requirements for transport.

Other hazards:

The product has no other known specific hazards to humans or the environment.

Results of PBT and vPvB assessment: No data available.

Name(s) and address(es) of the Authorised Representative(s) in Hungary: (Contractor and Contractor)

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The current version of the Safety Data Sheet is available at **www.exoline.co.uk**

Person signing on behalf of and for the manufacturer:

Ferenc Sári
Director



Exoline LTD, United Kingdom
2023.01.04.