



**SAFETY DATA SHEET**  
**EcoWash+ Wash & Scale Inhibitor**  
**for Washer Disinfectors**  
 Page: 01  
 Supersedes Date: 09/04/2019  
 Revision Date: 03/05/2019  
 Revision No: 14

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name                      **ECOWASH +**

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

Identified uses                      Cleaning agent.

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

Supplier                              DDC Dolphin Ltd  
     The Fulcrum  
     Vantage Way  
     Poole  
     Dorset  
     UK  
     Tel : +44 (0)1202 731555  
     Fax : +44 (0)1202 731666  
     sales@ddcdolphin.com

### 1.4. Emergency telephone number

Emergency telephone              Emergency contact number 01295 251721 (9am to 5pm Monday to Friday excluding bank holidays). Ask for Technical Department quoting the product name. Outside of these hours please contact your doctor or local hospital accident and emergency department or the NHS enquiry service (dial 111) quoting product name and present this MSDS advising them that the product is registered with the National Poisons Information Service

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards                      Not Classified  
 Health hazards                        Skin Corr. 1 - H314 Eye Dam. 1 - H318  
 Environmental hazards              Not Classified

Classification (67/548/EEC        Xi;R36/38.  
 or 1999/45/EC)

### 2.2. Label elements

Hazard Pictogram



Signal word                              Danger  
 Hazard statements                      H314 Causes severe skin burns and eye damage

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Hazard statements	H314 Causes severe skin burns and eye damage.
Precautionary statements	<p>P260 Do not breathe vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing: Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	1-HYDROXYETHYLIDENE-1. 1 DIPHOSPHONIC ACID SODIUM SALT, DISODIUM METASILICATE
Supplementary precautionary statements	P363 Wash contaminated clothing before reuse

2.3. Other hazards

Other Hazards None

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

1-HYDROXYETHYLIDENE-1. 1 DIPHOSPHONIC ACID SODIUM SALT	10-30%
CAS number: 3794-83-0	REACH registration number: 01-2119510382-52-XXXX
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) -
DISODIUM METASILICATE	5-10%
CAS number: 10213-79-3	EC number: 229-912-9 REACH registration number: 01-2119449811-37-XXXX
Classification Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) C;R34. Xi;R37.
SODIUM HYDROXIDE	<1%
CAS number: 1310-73-2	EC number: 215-185-5 REACH registration number: 01-2119457892-27-XXXX
Classification Skin Corr. 1A - H314 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) C;R35

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Inhalation	Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation	May be harmful if inhaled.
Ingestion	May be harmful if swallowed.
Skin contact	May cause serious chemical burns to the skin.
Eye contact	May cause serious eye damage.

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

Specific treatments	Seek medical attention if irritation or symptoms persist. Symptomatic treatment
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards	Burning may produce irritating, toxic and obnoxious fumes. Oxides of Carbon, Nitrogen and Sulphur.
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#### 5.3. Advice for firefighters

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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#### 6.2. Environmental precautions

Environmental precautions	Avoid or minimise the creation of any environmental contamination.
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#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Stop leak if possible, without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
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### 6.4. Reference to other sections

Reference to other sections See section 3,8 & 13 for further information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Avoid contact with skin and eyes.
Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.
Storage class	Chemical storage.

### 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 Occupational exposure limits

#### SODIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### Protective equipment



Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that 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

Appearance	Liquid.
pH	12-14
Initial boiling point and range	100°C @ 760mm Hg

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Flash point	NA <sup>0</sup> C
Relative Density	1.1920 @ 20°C
Solubility(ies)	Soluble in water
Viscosity	NA @ °C
Comments	Information given is applicable to the product as supplied.

#### 9.2. Other information

Other information None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients.

#### 10.2. Chemical stability

Stability Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None known.

#### 10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

#### 10.5. Incompatible materials

Materials to avoid None known.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects Acute toxicity - oral

ATE oral (mg/kg) 3,846.15

Inhalation May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion May cause burns in mucous membranes, throat, oesophagus and stomach.

Skin contact May cause serious chemical burns to the skin.

Eye contact Causes burns.

### SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

#### 12.1. Toxicity

Toxicity The product is not believed to present a hazard due to its physical nature.

#### 12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

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#### 12.3. Bioaccumulative potential

Bioaccumulative potential Not known.



ADN class

8

## Transport labels

14.4. Packing group

Not applicable.

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

**SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40 CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations Approved Classification and Labelling Guide (Sixth edition) L131

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

**ECOWASH +****SECTION 16: Other information**

Revision date	03/05/2019
Revision	13
Supersedes date	09/04/2019
SDS number	A17
Risk phrases in full	R34 Causes burns. R35 Causes severe burns. R36/38 Irritating to eyes and skin. R37 Irritating to respiratory system.
Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



**DDC Dolphin Ltd**

The Fulcrum, Vantage Way, Poole, Dorset BH12 4NU

tel: **01202 731555** | fax: 01202 731666 |

[info@ddcdolphin.com](mailto:info@ddcdolphin.com)

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