



**SAFETY DATA SHEET**

**Saturo All Water Dishwash**

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

**1.1. Product identifier**

Product name Saturo All Water Dishwash  
Product number 7709/12224

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

Identified uses Dishwasher additive

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

Supplier Nexon Group  
Pyke Road  
Lincoln  
LN6 3QS  
01522 500006  
01522 500030

**1.4. Emergency telephone number**

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification**

**Physical hazards**

Met. Corr. 1 - H290

**Health hazards**

Skin Corr. 1A - H314 Eye Dam. 1 - H318

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)**

C;R35.

**2.2. Label elements**

**Pictogram**



Signal word Danger

**Hazard statements**

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P501 Dispose of contents/container in accordance with national regulations.

Contains SODIUM HYDROXIDE

Detergent labelling 5 - < 15% polycarboxylates, < 5% amphoteric surfactants, < 5% phosphonates

## Saturo All Water Dishwash

### Supplementary precautionary statements

- P234 Keep only in original container.
- P260 Do not breathe vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P310 Immediately call a POISON CENTER/doctor.
- P321 Specific treatment (see medical advice on this label).
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P405 Store locked up.
- P406 Store in corrosive resistant/... container with a resistant inner liner.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>SODIUM HYDROXIDE</b>		<b>5-15%</b>
CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-2119457892-27-XXXX		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Met. Corr. 1 - H290	C;R35	
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		
<b>1-Hydroxy Ethylidene-1,1 Diphosphonic Acid</b>		<b>1-5%</b>
CAS number: 2809-21-4 EC number: 220-552-8 REACH registration number: 01-2119510391-53-XXXX		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Met. Corr. 1 - H290	Xi;R41.	
Acute Tox. 4 - H302		

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

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### Inhalation

Non-volatile liquid product.

###### Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. DO NOT induce vomiting. Get medical attention immediately. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available.

###### Skin contact

Remove affected person from source of contamination. Remove contaminated clothing and rinse skin thoroughly with water. Chemical burns must be treated by a physician. Get medical attention promptly if symptoms occur after washing.

###### Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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

This is unlikely to occur but symptoms similar to those of ingestion may develop.

###### Ingestion

May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

###### Skin contact

Burning pain and severe corrosive skin damage.

###### Eye contact

Severe irritation, burning and tearing. May cause blurred vision and serious eye damage. Corneal damage.

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

###### Notes for the doctor

## Saturo All Water Dishwash

No specific recommendations. Treat symptomatically. If in doubt, get medical attention promptly.

---

### SECTION 5: Firefighting measures

---

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Use fire-extinguishing media suitable for the surrounding fire.

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

##### **Specific hazards**

No unusual fire or explosion hazards noted.

##### **Hazardous combustion products**

Does not decompose when used and stored as recommended.

#### 5.3. Advice for firefighters

##### **Protective actions during firefighting**

Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

##### **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.

#### 6.2. Environmental precautions

##### **Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

##### **Methods for cleaning up**

Do not touch or walk into spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Provide adequate ventilation. Neutralise spilled material with diluted hydrochloric acid. Flush spilled material into suitable retaining areas or container with large quantities of water. Inform authorities if large amounts are involved.

#### 6.4. Reference to other sections

##### **Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

---

### SECTION 7: Handling and storage

---

#### 7.1. Precautions for safe handling

##### **Usage precautions**

Avoid contact with the following materials: Acids. Avoid spilling. Avoid contact with skin and eyes. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

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

##### **Storage precautions**

Keep above the chemical's freezing point to avoid rupturing the container. Store in tightly-closed, original container.

##### **Storage class**

Corrosive 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

## Saturo All Water Dishwash

### SODIUM HYDROXIDE

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

WEL = Workplace Exposure Limit

#### SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL Consumer - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>  
Workers - Inhalation; Long term local effects: 10 mg/m<sup>2</sup>  
Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

#### 1-Hydroxy Ethylidene-1,1 Diphosphonic Acid (CAS: 2809-21-4)

DNEL Industry - Oral; Long term systemic effects: 13 mg/kg bw/day  
Consumer - Oral; Long term systemic effects: 6.5 mg/kg bw/day

PNEC - Fresh water; 0.136 mg/l  
- Marine water; 0.0136 mg/l  
- Sediment (Freshwater); 59 mg/kg  
- Sediment (Marinewater); 5.9 mg/kg  
- Soil; 96 mg/kg  
- STP; 20 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

No specific ventilation requirements.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

Wear protective gloves made of the following material: Butyl rubber. Neoprene. Nitrile rubber. Polyvinyl chloride (PVC).

#### Other skin and body protection

Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact. Impervious footwear must be worn.

#### Hygiene measures

Do not eat, drink or smoke when using this product.

#### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Liquid.

#### Colour

Colourless.

#### Odour

Odourless.

#### pH

pH (diluted solution): 1% 12-13

#### Relative density

~ 1.2 @ 20°C

#### Solubility(ies)

Soluble in water.

### 9.2. Other information

#### Other information

Not available.

## Saturo All Water Dishwash

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The following materials may react with the product: Acids.

#### 10.2. Chemical stability

##### Stability

Avoid contact with acids.

#### 10.3. Possibility of hazardous reactions

Will not polymerise. The following materials may react strongly with the product: Acids.

#### 10.4. Conditions to avoid

Avoid contact with acids.

#### 10.5. Incompatible materials

##### Materials to avoid

Strong acids.

#### 10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg)

76,653.06122449

##### Inhalation

This is unlikely to occur but symptoms similar to those of ingestion may develop. This product is strongly corrosive. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

##### Ingestion

This product is strongly corrosive. Swallowing concentrated chemical may cause severe internal injury. May cause chemical burns in mouth, oesophagus and stomach.

##### Skin contact

This product is strongly corrosive. May cause serious chemical burns to the skin.

##### Eye contact

This product is strongly corrosive. Causes severe burns. Dust or splashes from the mixture may cause permanent eye damage.

##### Toxicological information on ingredients.

##### 1-Hydroxy Ethylidene-1,1 Diphosphonic Acid

##### Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

1,878.0

##### Species

Rat

ATE oral (mg/kg)

1,878.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)

5001.0

##### Species

Rabbit

ATE dermal (mg/kg)

5001.0

### SECTION 12: Ecological Information

#### Ecotoxicity

Low acute toxicity to aquatic organisms. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

## Saturo All Water Dishwash

Not considered toxic to fish.

### Ecological information on ingredients.

#### SODIUM HYDROXIDE

##### **Acute toxicity - fish**

LC , 96 hours: 35-189 mg/l, Fish

##### **Acute toxicity - aquatic invertebrates**

EC , 48 hours: 40-240 mg/l, Daphnia magna EC , 48 hours: 40 mg/l, Crustaceans

#### 1-Hydroxy Ethylidene-1,1 Diphosphonic Acid

##### **Acute toxicity - fish**

LC , 96 hours: 368 mg/l, Onchorhynchus mykiss (Rainbow trout)

##### **Acute toxicity - aquatic invertebrates**

EC , 48 hours: 527 mg/l, Daphnia magna

### 12.2. Persistence and degradability

#### **Persistence and degradability**

The product contains mainly inorganic substances which are not biodegradable. The methods for determining biodegradability are not applicable to inorganic substances. The other substances in the product are expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

#### **Mobility**

The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

#### **Disposal methods**

Dispose of in accordance with Local Authority regulations as special waste according to The Control of Special Waste Regulations 1996.

## **SECTION 14: Transport information**

Road transport notes           TREM CARD: C2

### 14.1. UN number

UN No. (ADR/RID)           1824

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)   SODIUM HYDROXIDE, SOLUTION

Proper shipping name (IMDG)       SODIUM HYDROXIDE, SOLUTION

Proper shipping name (ICAO)       SODIUM HYDROXIDE, SOLUTION

Proper shipping name (ADN)       SODIUM HYDROXIDE, SOLUTION

### 14.3. Transport hazard class(es)

ADR/RID class               8

#### **Transport labels**



### 14.4. Packing group

## Saturo All Water Dishwash

ADR/RID packing group II

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Tunnel restriction code (E)

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

Not applicable.

---

## SECTION 15: Regulatory information

---

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

#### EU legislation

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 (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

---

## SECTION 16: Other information

---

#### Revision comments

Revision is in accordance with Commission Regulation (EC) No 1272/2008

Revision date 19/02/2015

Revision Rev 1

Supersedes date 28/03/2012

SDS number 7709/12224

#### Risk phrases in full

R35 Causes severe burns.

R41 Risk of serious damage to eyes.

#### Hazard statements in full

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.