



# SAFETY DATA SHEET

## SOFT WATER MACHINE WARE WASH

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name                      SOFT WATER MACHINE WARE WASH  
Internal Id                         C875

#### 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                              ARROW SOLUTIONS  
   RAWDON ROAD  
   MOIRA  
   SWADLINCOTE  
   DERBYSHIRE  
   DE12 6DA  
   TEL: +44 (0)1283 221044  
   EMERGENCY: +44 (0) 777 8505 330  
   FAX: +44 (0)1283 225731  
   sales@arrowchem.com

#### 1.4. Emergency telephone number

+44 (0) 777 8505 330

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

Physical and Chemical Hazards	Met. Corr. 1 - H290
Human health	Skin Corr. 1A - H314
Environment	Not classified.

Classification (1999/45/EEC)

C;R35.

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

#### 2.2. Label elements

Contains                              SODIUM HYDROXIDE

Detergent Labelling:

5 - < 15%	Phosponates
< 5%	EDTA and salts thereof
	amphoteric surfactants

Label In Accordance With (EC) No. 1272/2008



Signal Word                         Danger

# SOFT WATER MACHINE WARE WASH

## Hazard Statements

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

## Precautionary Statements

P234 Keep only in original container.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+351+338 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 local regulations.

## 2.3. Other hazards

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>SODIUM HYDROXIDE</b>	<b>10-30%</b>	
<b>CAS-No.: 1310-73-2</b>	<b>EC No.: 215-185-5</b>	<b>Registration Number: 01-2119457892-27</b>
Classification (EC 1272/2008) Met. Corr. 1 - H290 Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35	
<b>TETRASODIUM 1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONATE</b>	<b>5-10%</b>	
<b>CAS-No.: 3994-83-0</b>	<b>EC No.: 223-267-7</b>	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.	
<b>TETRASODIUM EDTA</b>	<b>1-5%</b>	
<b>CAS-No.: 64-02-8</b>	<b>EC No.: 200-573-9</b>	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41.	
<b>TETRASODIUM GLUTAMATE</b>	<b>1-5%</b>	
<b>CAS-No.: 51981-21-6</b>	<b>EC No.: 257-573-7</b>	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.	

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

Move into fresh air and keep at rest.

#### Ingestion

Rinse mouth thoroughly. DO NOT INDUCE VOMITING! Get medical attention.

# SOFT WATER MACHINE WARE WASH

## **Skin contact**

Rinse the skin immediately with lots of water. Get medical attention if irritation persists after washing.

## **Eye contact**

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

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

### **General information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

### **Inhalation.**

Upper respiratory irritation.

### **Ingestion**

May cause chemical burns in mouth and throat.

### **Skin contact**

May cause serious chemical burns to the skin.

### **Eye contact**

Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials.

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

#### **Hazardous combustion products**

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

### **5.3. Advice for firefighters**

#### **Special Fire Fighting Procedures**

No specific fire fighting procedure given.

#### **Protective equipment for fire-fighters**

Severe corrosive hazard. Wear chemical protection suit.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Avoid contact with skin and eyes.

### **6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground.

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

Absorb with inert, damp, non-combustible material, then flush area with water.

### **6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact.

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

Store in closed original container at temperatures between 5°C and 30°C.

#### **Storage Class**

Corrosive storage.

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

# SOFT WATER MACHINE WARE WASH

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min	Notes
SODIUM HYDROXIDE	WEL			2 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



#### Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Rubber, neoprene or PVC.

#### Eye protection

Wear approved safety goggles.

#### Hygiene measures

Wash hands after handling.

#### Skin protection

Wear apron or protective clothing in case of contact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Clear liquid.
Colour	Straw.
Odour	Characteristic.
Relative density	1.24 20°C

### 9.2. Other information

Not determined.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not determined.

### 10.4. Conditions to avoid

Avoid frost.

### 10.5. Incompatible materials

#### Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

### 10.6. Hazardous decomposition products

No hazardous decomposition products.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

# SOFT WATER MACHINE WARE WASH

## Inhalation

Upper respiratory irritation.

## Ingestion

May cause chemical burns in mouth, oesophagus and stomach.

## Skin contact

Causes severe burns.

## Eye contact

Causes severe burns.

### Toxicological information on ingredients.

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

#### Acute toxicity:

Acute Toxicity (Oral LD50)

2000 mg/kg Rat

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

#### Acute Toxicity - Fish

Not determined.

#### Ecological information on ingredients.

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

#### Acute Toxicity - Fish

LC50 48 hours ~ 145 mg/l *Poecilia reticulata* (Guppy)

REACH dossier information

#### Acute Toxicity - Aquatic Invertebrates

EC50 48 hours ~ 76 mg/l *Daphnia magna*

REACH dossier information

### 12.2. Persistence and degradability

#### Degradability

There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

No data available on bioaccumulation.

### 12.4. Mobility in soil

#### Mobility:

The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

# SOFT WATER MACHINE WARE WASH

## 14.1. UN number

UN No. (ADR/RID/ADN) 1760

UN No. (IMDG) 1760

## 14.2. UN proper shipping name

Proper Shipping Name CORROSIVE LIQUID, N.O.S. (Sodium Hydroxide)

## 14.3. Transport hazard class(es)

ADR/RID/ADN Class Class 8: Corrosive substances.

Transport Labels



## 14.4. Packing group

ADR/RID/ADN Packing group II

IMDG 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

#### **Uk Regulatory References**

Chemicals (Hazard Information & Packaging) Regulations.

#### **Statutory Instruments**

Control of Substances Hazardous to Health.

#### **Guidance Notes**

Workplace Exposure Limits EH40.

#### **EU Legislation**

Dangerous Preparations Directive 1999/45/EC. 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.

### 15.2. Chemical Safety Assessment

## SECTION 16: OTHER INFORMATION

#### **General information**

Only trained personnel should use this material.

Revision Date 01/10/2012

Revision 2.0

Supersedes date 27/04/2012

# SOFT WATER MACHINE WARE WASH

## Risk Phrases In Full

R35	Causes severe burns.
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
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.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

## Disclaimer

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.