



# SAFETY DATA SHEET

## UNIVERSAL POWERWASH

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

#### 1.1. Product identifier

Product name UNIVERSAL POWERWASH  
Internal Id C375

#### 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% non-ionic surfactants  
amphoteric surfactants

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



Signal Word

Danger

Hazard Statements

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

# UNIVERSAL POWERWASH

## 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>5-10%</b>	
CAS-No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119457892-27
Classification (EC 1272/2008) Met. Corr. 1 - H290 Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35	
<b>TETRASODIUM GLUTAMATE</b>	<b>1-5%</b>	
CAS-No.: 51981-21-6	EC No.: 257-573-7	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36/38.	
<b>SODIUM LAURIMINODIPROPIONATE</b>	<b>1-5%</b>	
CAS-No.: 14960-06-6	EC No.: 239-032-7	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36.	
<b>ALCOHOL ETHOXYLATE SURFACTANT</b>	<b>1-5%</b>	
CAS-No.: 24938-91-8	EC No.:	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41.	

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.

#### Skin contact

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

#### Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Rinse with water. Contact physician if discomfort continues.

# UNIVERSAL POWERWASH

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

### **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

Treat Symptomatically.

## 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**

Fire creates: Oxides of: Carbon. Nitrogen.

### 5.3. Advice for firefighters

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

No specific fire fighting procedure given.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective gloves and, in case of splashes, goggles/face shield too.

### 6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

### 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 0°C and 40°C.

#### **Storage Class**

Corrosive storage.

### 7.3. 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

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
SODIUM HYDROXIDE	WEL		2 mg/m3	

# UNIVERSAL POWERWASH

WEL = Workplace Exposure Limit.

## 8.2. Exposure controls

### Protective equipment



### Engineering measures

Provide adequate ventilation.

### Hand protection

Use protective gloves. Rubber, neoprene or PVC.

### Eye protection

Wear approved safety goggles.

### Hygiene measures

Wash hands after handling.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Colour	Colourless to pale yellow.
Odour	Mild (or faint).
Relative density	1.110 ± 0.01 @ 25°C
pH-Value, Conc. Solution	13.1

### 9.2. Other information

Not determined.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reaction with: Acids.

### 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 contact with acids.

### 10.5. Incompatible materials

#### Materials To Avoid

Strong acids.

### 10.6. Hazardous decomposition products

Fire creates: Oxides of: Carbon. Nitrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Medical Symptoms

EYES AND MUCOUS MEMBRANES. Extreme irritation of eyes and mucous membranes, including burning and tearing. MOUTH AND THROAT. Burning sensation in mouth. SKIN. Severe skin irritation. DIGESTIVE SYSTEM. Gastrointestinal symptoms, including upset stomach.

#### Toxicological information on ingredients.

# UNIVERSAL POWERWASH

SODIUM HYDROXIDE (CAS: 1310-73-2)

## Acute toxicity:

Acute Toxicity (Oral LD50)

2000 mg/kg Rat

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Not regarded as dangerous for the environment.

### 12.1. Toxicity

#### 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

The product is expected to be biodegradable.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

The product is not bioaccumulating.

### 12.4. Mobility in soil

#### Mobility:

The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

### 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

### 14.1. UN number

UN No. (ADR/RID/ADN) 1760

UN No. (IMDG) 1760

UN No. (ICAO) 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 8

IMDG Class 8

# UNIVERSAL POWERWASH

Transport Labels



## 14.4. Packing group

ADR/RID/ADN Packing group II

IMDG Packing group II

ICAO 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**

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

Revision 1.0

Date 19/07/2012

#### **Risk Phrases In Full**

R35 Causes severe burns.  
R22 Harmful if swallowed.  
R36/38 Irritating to eyes and skin.  
R36 Irritating to eyes.  
R41 Risk of serious damage to eyes.

#### **Hazard Statements In Full**

H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H302 Harmful if swallowed.  
H290 May be corrosive to metals.

# UNIVERSAL POWERWASH

## 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.