

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

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

1.1 Product identifier**Product name** MAXIM**Product type** Liquid1.2 Relevant identified uses of the substance or mixture**PRODUCT USE** Industrial uses: Uses of substances as such or in preparations at Industrial sites;(PC35) Washing and cleaning products**Description** HEAVY DUTY ALKALI CLEANER1.3 Details of the supplier of the safety data sheet

**Supplier** Spectrum industrial limited  
Bedesway  
Bede industrial estate  
Jarrow  
Tyne & Wear  
NE32 3EG  
Tel 0191 4301111

**Email address** [sales@spectrum-ind.co.uk](mailto:sales@spectrum-ind.co.uk)

1.4 Emergency telephone number 0191 4301111 (9.00am – 5pm Mon-Fri)

## SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification (67/548/EEC) C:R34

2.1.2 Classification –EC 1272/2008 Skin Corr1B-H314

2.2 Label elements

Hazard pictograms



**Signal Word** Danger

**Hazard Statement** Skin Corr 1B: H314 – Causes severe skin burns and eye damage.

**Precautionary Statement:**

**Prevention** P102 – Keep out of reach of children  
P280 – Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statement:** P301+P330+P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302+P352 – IF ON SKIN: Wash with plenty of soap andwater  
P332+P313 – If skin irritation occurs. Get medical advice/attention.  
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and easy to do. Continue rinsing.

**Response** P315 – Get immediate medical advice/attention

2.3 Other hazards

This product does not contain any PBT or vPvB substances

**Supplemental label** Contains Sodium Hydroxide, 2-Butoxyethanol

**Information**

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

67/548/EEC / 1999/45/EC

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
2-Butoxyethanol	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	5-15%	Xn:R20/21/22;Xi R36/38
Sodium hydroxide		1310-73-2	215-185-5	01-2119457892-27	1- 5%	C:R35

EC 1272/2008

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
2-Butoxyethanol	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	5- 15%	Acute Tox.4-H332 Acute Tox.4-H312 Acute Tox.4-H302 Eye Irrit.2-H319 Skin Irrit.2-H315
Sodium hydroxide		1310-73-2	215-185-5	01-2119457892-27	1 - 5%	Met.Corr.1-H290 Skin Corr.1A-H314

## SECTION 4 : FIRST AID MEASURES

### 4.1 Description Of first aid measures

#### **Inhalation**

If spray mist has been inhaled, move the affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

#### **Ingestion**

Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed seek medical advice immediately and show this container or label.

#### **Skin contact**

Causes Burns- Wash the skin immediately with soap and water. Get medical attention if discomfort continues

#### **Eye contact**

Causes Burns. Causes severe inflammation and may damage the cornea.Immediately flush with plenty of water for up to 15 minutes. Get medical attention.

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

#### **Inhalation**

Irritation of nose, throat and airway

#### **Ingestion**

Causes Burns to the respiratory tract.

## Revision 03

**Skin contact**

Causes skin burns if contact prolonged.

**Eye contact**

Contact with liquid can cause serious eye damage

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

Treat Symptomatically

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

This product is not flammable. Use fire-extinguishing media appropriate to surrounding materials

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

When heated and in case of fire, harmful vapours/gases may be formed

**5.3 Advice for fire-fighters****Protective equipment for fire-fighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

**6.2 Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate body.

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

Small quantities may be flushed to drains with plenty of water. Large spillages absorb in vermiculite, dry sand or earth and place into containers for disposal. Flush with plenty of water to clean spillage area.

**6.4 Reference to other sections**

For personal protection see section 8. Collect and dispose of spillage as indicated in section 13

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

For handling undiluted product wear suitable protective clothing, gloves and eye/face protection

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

Store in tightly closed original container in a dry, cool and well-ventilated area. Keep away from Oxidising materials

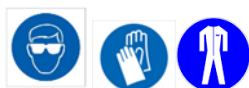
**7.3 Specific end use(s)**

The identified uses for this product are detailed in section 1.2

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

Name	STD	Notes
Sodium Hydroxide	WEL 15minute limit 2 mg/m <sup>3</sup>	
2-Butoxyethanol	WEL 8hr limit 25ppm, WEL 15min limit 50ppm	Sk
WEL = Workplace exposure limit    Sk = Can be absorbed through skin		

**8.2 Exposure controls**

**8.2.1 Appropriate engineering Controls**

Ensure adequate ventilation of the working area.

**8.2.2 Individual Protection Measures**

Wear appropriate protective clothing to prevent / avoid skin contact

Eye / face protection

Approved safety goggles or face shield

Hand protection

Wear Protective rubber gloves

Respiratory protection

Respiratory protection not required unless ventilation is insufficient, then appropriate respiratory equipment must be provided and worn.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>State</b>	Liquid
<b>Colour</b>	Straw
<b>Odour</b>	Slight
<b>Solubility</b>	Soluble in water
<b>pH-value</b>	13
<b>Flash point</b>	Boils without flashing
<b>Relative density</b>	1.03 – 1.04 (water = 1 @ 20 C)

**9.2 Other information**

None

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

Reactions with acids may generate heat.

**10.2 Chemical stability**

Stable under normal temperature conditions

**10.3 Possibility of hazardous reactions**

Not determined

**10.4 conditions to avoid**

There are no known conditions that are likely to result in a hazardous situation

**10.5 Incompatible materials****Materials to avoid**

Strong Acids, Aluminium, tin, zinc and their alloys

**10.6 Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****11.1.4 Toxicological information**

2-Butoxyethanol

Oral rat LD50 1300mg/kg, Inhalation Rat LC50/4h:2.21-2.39 mg/l

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Potentially hazardous due to the alkalinity of the product.

#### 12.1 Toxicity

2-Butoxyethanol Fish LC50/96h: 1474 mg/l, Daphnia EC50/48h: 1150 mg/l, Algae EC50/72h: 1840mg/l

#### 12.2 Persistence and degradability

The surfactant(s) contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) no 684/2004 on detergents.

#### 12.3 Bioaccumulative potential

Not expected to be bioaccumulating

#### 12.4 Mobility in soil

Not Determined

#### 12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances

#### 12.6 Other adverse effects

Not known

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Dispose of in compliance with all local and national regulations.

#### 13.1 Waste treatment methods

Discharge used solutions to drain. Less than 5 litres of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

UN No (ADR/RID/AND)	1760
UN No (IMDG)	1760
UN No (ICAO)	1760

### 14.2 UN proper shipping name

Proper shipping name Corrosive liquid, basic,N.O.S (Contains Sodium hydroxide)

### 14.3 Transport hazard class(es)

ADR/RID/AND Class	Class 8: Corrosive substances
IMDG Class	Class 8: Corrosive substances
ICAO Class/Division	Class8: Corrosive substances
Transport labels	



#### 14.4 Packing group

ADR/RID/AND Packing group III  
IMDG Packing group III  
ICAO Packing group III

#### 14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
NO

#### 14.6 Special precautions for user

EMS F-A, S-B  
Tunnel Restriction Code (E)

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not relevant for packed product

### SECTION 15: REGULATORY INFORMATION

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

Safety data sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures. Ingredients are listed with classification under both CHIP-Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP – Regulations (EC) no 1272/2008 classification, labelling & packaging of substances & mixtures.

#### 15.2 Chemical Safety Assessment

Not applicable this product is a mixture

### SECTION 16: OTHER INFORMATION

#### Other information

The Risk phrases / Hazard statements listed below in this section No 16 relate to the Raw Materials (ingredients) in the product (as listed in section 3) and Not the product itself. For the risk phrases/hazard statements relating to this product see section 2.

Text of risk phrases in section 3

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R35	Causes severe burns
R36/38	Irritating to eyes and skin

Text of hazard statements in section 3

## Revision 03

H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled

## Further information

The information supplied in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication; however no guarantee is made to its accuracy. 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 other process.