

## 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** STERI-CLEAN**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** Detergent sanitiser for use in the food industry1.3 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) Xi R36/38

2.1.2 Classification –EC 1272/2008 Skin Irrit2.-H315. Eye Dam.1 –H318

2.2 Label elements

Hazard pictograms



<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Skin Irrit. 2: H315 – Causes skin irritation Eye Dam.1:H318 – Causes serious eye damage
<b>Precautionary Statement: Prevention</b>	P102 – Keep out of reach of children P280 – Wear protective gloves/protective clothing/eye protection/face protection
<b>Precautionary Statement: Response</b>	P301+P330+P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 – IF ON SKIN: Wash with plenty of water 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. P315 – Get immediate medical advice/attention

2.3 Other hazards

This product does not contain any PBT or vPvB substances

**Supplemental label information** Contains Alkyl Dimethyl Benzyl Ammonium Chloride/Potassium Hydroxide

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Revision 02

67/548/EEC / 1999/45/EC

Chemical name	Index No	Cas No	EC No	REACH Registration Number	Conc (%w/w)	Classification
Betaines C12-14 Alkyldimethyl		66455-29-6	266-368-1		1-5%	Xi:R38;Xi R41
Alkyl Dimethyl Benzyl Ammonium Chloride		68424-85-1	270-325-2		1-5%	Xn:R21/22;C:R34;N:R50
Potassium Hydroxide		1310-58-3	215-181-3	01-2119487136-33	1-3%	Xn:R22;C:R35

EC 1272/2008

Chemical name	Index No	Cas No Number	EC No	REACH Registration (%w/w)	Conc	Classification
Betaines C12-14 Alkyldimethyl		66455-29-6	266-368-1		1-5%	Skin Irrit.2 – H315 Eye Dam.1- H318
Alkyl Dimethyl Benzyl Ammonium Chloride		68424-85-1	270-325-2		1-5%	Acute.Tox4.-H302 Acute.Tox4-H312 Skin.Corr.1B-H314 Eye Dam.1-H318 Aquatic Acute1-H400
Potassium Hydroxide		1310-58-3	215-181-3	01-2119487136-33	1-3%	Met.Corr.1-H290 Acute.Tox4-H302 Skin.Corr.1A-H314

## SECTION 4 : FIRST AID MEASURES

### 4.1 Description Of first aid measures

#### Inhalation

Unlikely route of exposure as the product does not contain volatile substances. 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 Irritation- 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.

#### Skin contact

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Causes skin irritation if contact prolonged.

**Eye contact**

Contact with liquid can cause 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
Potassium Hydroxide	WEL 15minute limit 2 mg/m <sup>3</sup>

WEL = Workplace exposure limit

**8.2 Exposure controls****8.2.1 Appropriate engineering**

Ensure adequate ventilation of the working area.

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Controls

**8.2.2 Individual Protection**

Wear appropriate protective clothing to prevent to avoid skin contact

## Measures

Eye / face protection

Approved safety goggles or face shield

Hand protection

Wear Protective rubber gloves

Respiratory protection

Respiratory protection not required

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

<b>State</b>	Liquid
<b>Colour</b>	Pink
<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>	1.08 – 1.12 (water = 1 @ 20 C)

9.2 Other information

None

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

There are no known reactivity hazards associated with this product

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**

No specific material or group of materials likely to react with the product to produce a hazardous situation

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 effects11.1.4 Toxicological information

Betaines, C12-14 Alkyldimethyl	Oral rat LD50 2000mg/kg
Alkyl Dimethyl Benzene Ammonium Chloride	Oral rat LD50 200-2000 mg/kg
Potassium Hydroxide	Oral rat LD50>333 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Not regarded as dangerous for the environment

#### 12.1 Toxicity

Alkyl Dimethyl Benzene Ammonium Chloride Fish LC50/96h: 0.01-0.1 mg/l  
Potassium Hydroxide Fish LC50/96h: 44 mg/l  
Daphnia EC50/48h: 40-240 mg/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)	3266
UN No (IMDG)	3266
UN No (ICAO)	3266

### 14.2 UN proper shipping name

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

### 14.3 Transport hazard class(es)

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

R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R34	Causes Burns
R35	Causes severe burns
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic life.

Text of hazard statements in section 3

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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
H318	Causes serious eye damage
H400	Very toxic to aquatic life

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.