

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

### 1.1. Product identifier

Product name **B5 BEER LINE CLEANER**  
 Product No. **575600**

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

Identified uses **Disinfecting and cleaning of beerlines and pipelines in the food industry**

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

Selden Research Limited t : 01298 26226  
 Staden Lane  
 Ashbourne Road f : 01298 26540  
 Buxton  
 Derbyshire e : safety@selden.co.uk  
 SK17 9RZ  
 United Kingdom

### 1.4. Emergency telephone number

01298 26226

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification (67/548/EEC) **C;R35. R31,R52/53.**

### 2.2. Label elements

Contains **SODIUM HYDROXIDE**

Labelling



**Corrosive (C)**

Risk Phrases **R31 Contact with acids liberates toxic gas., R35 Causes severe burns., R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**

Safety Phrases **S24/25 Avoid contact with skin and eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
 S45 In case of accident or if you feel unwell  
 Seek medical advice immediately (show label where possible).**

### 2.3. Other hazards

No other hazards known., This product does not contain any PBT or vPvB substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not Applicable

### 3.2. Mixtures

POTASSIUM PERMANGANATE	<0.5%
CAS-No.: 7722-64-7	EEC (EINECS) No. 231-760-3
Classification (EC 1272/2008)	Classification (67/548/EEC)
Oxidising gases, category 1 - H270	O;R8
Acute toxicity, category 4 - Oral - H302	Xn;R22
Hazardous to the aquatic environment, acute, category 1 - H400	N;R50/53
Hazardous to the aquatic environment, chronic, category 2 - H411	

SODIUM HYDROXIDE CAS-No.: 1310-73-2	EEC (EINECS) No. 215-185-5	10-30%
Classification (EC 1272/2008) Skin corrosion, categories 1A, 1B, 1C - H314		Classification (67/548/EEC) C;R35
SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE CAS-No.: 7681-52-9	EEC (EINECS) No. 231-668-3	1-5%
Classification (EC 1272/2008) Skin corrosion, categories 1A, 1B, 1C - H314 Contact with acids liberates toxic gas. - EUH031 Hazardous to the aquatic environment, acute, category 1 - H400		Classification (67/548/EEC) C;R34 R31 N;R50

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

General information	CAUTION! First Aid personnel must be aware of own risk of burns., Chemical burns must be dealt with immediately, do not delay.
Inhalation	Remove victim immediately from source of exposure., Provide rest, warmth and fresh air., If breathing stops, provide artificial respiration., Get medical attention if any discomfort continues.
Ingestion	DO NOT INDUCE VOMITING!, Rinse mouth thoroughly., Drink plenty of water., Get medical attention immediately!
Skin contact	Immediately remove contaminated clothing., Rinse immediately with plenty of water., Continue to rinse for at least 15 minutes., Get medical attention immediately!
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation	May cause damage to mucous membranes in nose, throat, lungs and bronchial system.
Ingestion	Causes burns., Harmful if swallowed.
Skin contact	Causes burns.
Eye contact	Causes burns., Risk of serious damage to eyes.

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media	The product is non-combustible., Use fire-extinguishing media appropriate for surrounding materials., Use:, Dry chemicals, sand, dolomite etc., Foam., Water spray.
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### 5.2. Special hazards arising from the substance or mixture

Unsuitable extinguishing media

### 5.3. Advice for firefighters

Special Fire Fighting Procedures	Self contained breathing apparatus and full protective clothing must be worn in case of fire. Use water to keep fire exposed containers cool and disperse vapours.
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For personal protection, see section 8.

### 6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses, Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment., Absorb in vermiculite, dry sand or earth and place into containers., Collect spillage in containers, seal securely and deliver for disposal according to local regulations., Inform Authorities if large amounts are involved.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

**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 separated from: , Acids.

7.3. Specific end use(s)

See product label for detailed usage and instructions.

**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	

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Hand protection

Use protective gloves.

Eye protection

Wear full-face visor or shield.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Purple.
Odour	Slight odour., Chlorine.
Relative density	1.178 - 1.188 @ 20 °C
pH-Value, Conc. Solution	> 13.0

**SECTION 10: STABILITY AND REACTIVITY**

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

None known

#### 10.4. Conditions to avoid

Avoid contact with acids., Generates toxic gas in contact with acid., Avoid exposure to high temperatures or direct sunlight.

#### 10.5. Incompatible materials

Strong acids., Reacts strongly with light metals such as aluminium and zinc, producing hydrogen which is Highly Flammable.

#### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Toxicological information	No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.
Inhalation	May cause damage to mucous membranes in nose, throat, lungs and bronchial system.
Ingestion	Causes burns., Harmful if swallowed.
Skin contact	Causes burns.
Eye contact	Causes burns., Risk of serious damage to eyes.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

#### 12.2. Persistence and degradability

Degradability                      The product is biodegradable.

#### 12.3. Bioaccumulative potential

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

#### 12.4. Mobility in soil

Mobility:                              The product contains substances, which are water soluble and may spread in water systems.

#### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

#### 12.6. Other adverse effects

None known

### 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)	3093
UN No. (IMDG)	3093
UN No. (ICAO)	3093

#### 14.2. UN proper shipping name

Proper Shipping Name: CORROSIVE LIQUID,OXIDISING, N.O.S. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE AND POTASSIUM PERMANGANATE))

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class 8 , 5.1  
 ADR/RID/ADN Class Class 8: Corrosive substances., Class 5.1: Oxidising substances.  
 IMDG Class 8 , 5.1  
 ICAO Class/Division 8 , 5.1

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 n/a

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

Not relevant

## SECTION 15: REGULATORY INFORMATION

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

UK Regulatory References	The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Environmental Listing	Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)., Control of Substances Hazardous to Health.
Approved Code Of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Workplace Exposure Limits EH40., CHIP for everyone HSG(108). System of specific information relating to Dangerous Preparations. 2001/58/EC., Dangerous Preparations Directive 1999/45/EC., Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments., 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.
EU Legislation	
National Regulations	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

### 15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

## SECTION 16: OTHER INFORMATION

### General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

### Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date 12/11/2012

Revision 1

Risk Phrases In Full	R31 Contact with acids liberates toxic gas., R34 Causes burns., R50 Very toxic to aquatic organisms.   R8 Contact with combustible material may cause fire., R22 Harmful if swallowed., R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.   R35 Causes severe burns.	
Hazard Statements In Full	H270	May cause or intensify fire; oxidiser.
	H302	Harmful if swallowed.
	H314	Causes severe skin burns and eye damage.
	H400	Very toxic to aquatic life.
	H411	Toxic to aquatic life with long lasting effects.