SAFETY DATA SHEET
SUPER 5L PURPLE BEERLINE CLEANER

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name SUPER 5L PURPLE BEERLINE CLEANER

Product number 800-232-0004

Container size 5 litres

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

Identified uses Beer dispensing equipment cleaning.

1.3. Details of the supplier of the safety data sheet

Supplier

COVENTRY CHEMICALS LTD
WOODHAMS RD
SISKIN DRIVE
COVENTRY
CV3 4FX

Tel: +44 (0) 02476639739
Fax: +44 (0) 02476639717
Email: sales@coventrychemicals.com

Contact person For content of safety data sheet:,sds@coventrychemicals.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human health and/or the environment)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) C;R34.

2.2. Label elements

Pictogram

SUPER 5L PURPLE BEERLINE CLEANER

Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 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 national regulations. P337+P313 If eye irritation persists: Get medical advice/attention.
Contains	POTASSIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE
Detergent labelling	< 5% chlorine-based bleaching agents,< 5% phosphates

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

POTASSIUM HYDROXIDE **1-5%**

CAS number: 1310-58-3 EC number: 215-181-3 REACH registration number: 01-2119487136-33-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318	C;R35 Xn;R22

SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE **1-5%**

CAS number: 7681-52-9 EC number: 231-668-3 REACH registration number: 01-2119488154-34-XXXX

M factor (Acute) = 10

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	C;R34 R31 N;R50

TETRAPOTASSIUM PYROPHOSPHATE **1-5%**

CAS number: 7320-34-5 EC number: 230-785-7 REACH registration number: 01-2119489369-18-XXXX

Classification
Eye Irrit. 2 - H319

SUPER 5L PURPLE BEERLINE CLEANER

POTASSIUM PERMANGANATE		**<1%**
CAS number: 7722-64-7	EC number: 231-760-3	REACH registration number: 01-2119480139-34-XXXX
M factor (Acute) = 10	M factor (Chronic) = 10	

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	O;R8 Xn;R22 N;R50/53

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 SPEED IS ESSENTIAL. OBTAIN IMMEDIATE MEDICAL ATTENTION. Showers and eye washing equipment must be provided at handling points.

Inhalation Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately. For breathing difficulties, oxygen may be necessary.

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Chemical burns must be treated by a physician. Get medical attention immediately.

Inhalation Severe irritation of nose and throat. May cause an asthma-like shortness of breath.

Ingestion Will immediately cause corrosion of, and damage to, the gastrointestinal tract.

Skin contact May cause serious chemical burns to the skin.

Eye contact May cause severe inflammation, corneal ulcers and permanent impairment of vision.

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

Notes for the doctor Remove contaminated clothing and wash all affected areas with plenty of water. Symptomatic treatment and supportive therapy as indicated.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.

SUPER 5L PURPLE BEERLINE CLEANER

5.2. Special hazards arising from the substance or mixture

Specific hazards Contact with some metals eg. aluminium, zinc can produce flammable hydrogen.gas.

Hazardous combustion products Fire creates: Chlorine. Hydrogen chloride (HCl). Oxides of: Chlorine. Carbon.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions Avoid or minimise the creation of any environmental contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13. See Section 11 for additional information on health hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Avoid the formation of mists. Provide adequate ventilation. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Never add water directly to this product as it may cause a vigorous reaction or boiling. Always dilute by carefully pouring the product into water.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Eye wash facilities and emergency shower must be available when handling this product. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a well-ventilated place. Store away from the following materials: Acids.

Storage class Corrosive storage.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

POTASSIUM HYDROXIDE

SUPER 5L PURPLE BEERLINE CLEANER

Long-term exposure limit (8-hour TWA): WEL
Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

POTASSIUM HYDROXIDE (CAS: 1310-58-3)

DNEL
Workers - Inhalation; Long term local effects: 1 mg/m³
General population - Inhalation; Long term local effects: 1 mg/m³

SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE (CAS: 7681-52-9)

DNEL
Industry - Inhalation; Long term local effects: 1.55 mg/m³
Industry - Inhalation; Long term systemic effects: 1.55 mg/m³
Industry - Inhalation; Short term local effects: 3.1 mg/m³
Industry - Inhalation; Short term systemic effects: 3.1 mg/m³
Consumer - Inhalation; Long term local effects: 1.55 mg/m³
Consumer - Inhalation; Long term systemic effects: 1.55 mg/m³
Consumer - Inhalation; Short term local effects: 3.1 mg/m³
Consumer - Inhalation; Short term systemic effects: 3.1 mg/m³
Consumer - Oral; Long term systemic effects: 0.26 mg/kg/day

PNEC
- Fresh water; 0.00021 mg/l
- Marine water; 0.000042 mg/l
- Intermittent release; 0.00026 mg/l
- STP; 0.03 mg/l

TETRAPOTASSIUM PYROPHOSPHATE (CAS: 7320-34-5)

DNEL
Workers - Inhalation; Long term systemic effects: 44.08 mg/m³
General population - Inhalation; Long term systemic effects: 10.87 mg/m³

PNEC
- Fresh water; 0.05 mg/l
- Marine water; 0.005 mg/l
- Intermittent release; 0.5 mg/l
- STP; 50 mg/l

POTASSIUM PERMANGANATE (CAS: 7722-64-7)

DNEL
Industry - Inhalation; Long term systemic effects: 0.218 mg/m³
Consumer - Inhalation; Long term systemic effects: 0.0389 mg/m³
Consumer - Oral; Long term systemic effects: 0.01111 mg/kg/day

PNEC
- STP; 1.64 mg/l
- Fresh water; 0.00006 mg/l
- Water; 0.0006 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

SUPER 5L PURPLE BEERLINE CLEANER

Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	Wear protective gloves. Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC).
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Provide eyewash station and safety shower. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Particulate filter, type P2. Particulate filters should comply with European Standard EN143.
Environmental exposure controls	Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government websites: www.dti.gov.uk/access/index/htm and www.envirowise.gov.uk.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Purple.
Odour	Faintly of chlorine.
Odour threshold	Not applicable.
pH	pH (concentrated solution): 13.5 TYPICALLY
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not determined.
Evaporation factor	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.080 TYPICALLY @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Viscosity	Not determined.
Explosive properties	Not applicable
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not applicable.
Comments	Information given is applicable to the product as supplied.

SUPER 5L PURPLE BEERLINE CLEANER

9.2. Other information

Other information Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Reactions with the following materials may generate heat: Water. Reactions with the following materials may generate heat: Strong acids. Highly reactive with aluminium, tin, zinc and alloys of these metals producing flammable hydrogen gas.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Can react violently if in contact with acids and chloro-hydrocarbons. Exothermic reaction with water.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Acids. Ammonia solution. Chlorinated hydrocarbons. Aluminium. Zinc.

10.6. Hazardous decomposition products

Hazardous decomposition products Hydrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Other health effects There is no evidence that the product can cause cancer.

Acute toxicity - oral

Notes (oral LD_{50}) Estimated value. Calculated from ingredient data.

ATE oral (mg/kg) 10,046.76421783

General information Danger of very serious irreversible effects in contact with skin, in contact with eyes and if swallowed.

Inhalation Spray/mists may cause respiratory tract irritation. A single exposure may cause the following adverse effects: Coughing. Difficulty in breathing. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion May cause burns in mucous membranes, throat, oesophagus and stomach.

Skin contact May cause serious chemical burns to the skin. Repeated exposure may cause skin dryness or cracking.

Eye contact Causes burns. A single exposure may cause the following adverse effects: Corneal damage. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

Toxicological information on ingredients.

SUPER 5L PURPLE BEERLINE CLEANER

POTASSIUM HYDROXIDE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	333.0
Species	Rat
ATE oral (mg/kg)	333.0

POTASSIUM PERMANGANATE

Acute toxicity - oral

ATE oral (mg/kg)	2,000.0

SECTION 12: Ecological Information

Ecotoxicity There are no data on the ecotoxicity of this product.

12.1. Toxicity

Toxicity Concentrations greater that 10ppm or ph value greater than 10.5 may be fatal to fish and other aquatic organisms.

Acute toxicity - aquatic plants Can cause damage to aquatic plants.

Acute toxicity - terrestrial Can cause damage to vegetation.

Ecological information on ingredients.

SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE

Acute aquatic toxicity

$LE(C)_{50}$	0.01 < L(E)C50 ≤ 0.1 0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1

POTASSIUM PERMANGANATE

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1 0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10

Chronic aquatic toxicity

NOEC	0.001 < NOEC ≤ 0.01
Degradability	Non-rapidly degradable
M factor (Chronic)	10

12.2. Persistence and degradability

Persistence and degradability Degrades readily by reaction with the natural carbon dioxide in the air.

Ecological information on ingredients.

SUPER 5L PURPLE BEERLINE CLEANER

SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE

Biodegradation The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Ecological information on ingredients.

SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE

Bioaccumulative potential Low potential for bioaccumulation.

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods Dispose of via an authorised and appropriately licensed waste contractor. Packaging is recyclable. Wash out containers with water before disposal.

Waste class EWC Code: 06 02 04

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3266

UN No. (IMDG) 3266

UN No. (ICAO) 3266

14.2. UN proper shipping name

Proper shipping name (ADR/RID) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (CONTAINS POTASSIUM HYDROXIDE AND SODIUM HYPOCHLORITE)

Proper shipping name (IMDG) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (CONTAINS POTASSIUM HYDROXIDE AND SODIUM HYPOCHLORITE)

Proper shipping name (ICAO) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (CONTAINS POTASSIUM HYDROXIDE AND SODIUM HYPOCHLORITE)

Proper shipping name (ADN) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S (CONTAINS POTASSIUM HYDROXIDE AND SODIUM HYPOCHLORITE)

14.3. Transport hazard class(es)

ADR/RID class 8

SUPER 5L PURPLE BEERLINE CLEANER

ADR/RID subsidiary risk	
ADR/RID label	8
IMDG class	8
IMDG subsidiary risk	
ICAO class/division	8
ICAO subsidiary risk	

Transport labels

14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

14.6. Special precautions for user

EmS	F-A, S-B
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

National regulations	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). Control of Pollution (Special Waste) Regulations 1980 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits. The Hazardous Waste Regulations 2005.

SUPER 5L PURPLE BEERLINE CLEANER

EU legislation	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) (as amended). Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006, Waste Material Code 91/689/EEC Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended). 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 (as amended).
Guidance	Technical Guidance WM2: Hazardous Waste. COSHH Essentials. ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets. Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

Currently we do not have information from our suppliers about this.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	STOT Specific Target Organ Toxicity PBT Persistant Bio-accumulative and Toxic vPvB very Persistent, very Bio-accumulative EWC European Waste Catalogue PNEC Predicted No Effect Concentration DNEL Derived No Effect Level
General information	Only trained personnel should use this material.
Revision date	13/05/2015
Revision	1
Supersedes date	12/01/2012
SDS number	20625
Risk phrases in full	R22 Harmful if swallowed. R31 Contact with acids liberates toxic gas. R34 Causes burns. R35 Causes severe burns. R50 Very toxic to aquatic organisms. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R8 Contact with combustible material may cause fire.
Hazard statements in full	H272 May intensify fire; oxidiser. H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.