



# RAINBOW

## Coloured Beer Line Cleaner

- Concentrated blend of sodium hydroxide & surfactant.
- Quickly breaks down yeast & protein deposits.
- Contains a green indicator dye.
- For use with cold water.
- Will not damage pipeline or components.

### Product Description:

RAINBOW is a very effective beer line cleaner, formulated to remove yeast, protein & residue from the dispensing system. RAINBOW contains a Green indicator dye to provide a visual check that it has cleared the line & has been thoroughly rinsed. Suitable for use through the traditional hand pump or pressurised keg beer lines.

### Directions and Dilutions:

Dilute 1:80 parts cold water (60mL per 5 litre). Disconnect line from the beer supply. Drain beer from the system. Draw solution of RAINBOW into beer line until it is detected at the tap and leave for 10-15 minutes. Draw a fresh solution of RAINBOW into the system and leave for a further 10-15 minutes. Flush out the RAINBOW and rinse the line thoroughly with clean water until the emerging water is perfectly clear, without a trace of colour. Alternatively use a litmus test for neutral pH. Before reconnecting the beer supply, sample beer before selling.

### Useful Information:

**Product Characteristics:** Purple Odourless liquid

**Storage:** Store in original sealed container and protect from extremes of temperature

**Availability:** Available in 2 x 5 litre boxes

**Composition:** Contains a blend of sodium hydroxide, Amphoteric surfactant & Dye

*For any further information on this product or any other Sky Chemicals product, please contact us and we will be more than willing to help.*

**SECTION 1: Identification of the substance/mixture and of the company / undertaking****1.1 Product identifier**

**Product name** Rainbow

**Synonyms** Coloured Beer Line Cleaner

**Other means of identification** RA

**1.3 Details of the supplier of the safety data sheet**

**Company name** Sky Chemicals (UK) Ltd

**Address** Unit 12 Sheffield Design Studios  
40 Ball street, Sheffield S3 8DB

**Telephone / Fax** 0114 278 0222 / 0114 272 7750

**1.2 Relevant identified uses, and uses advised against**

**Relevant identified uses** Beer line cleaner

**Uses advised against** Use as directed

**Website** www.skychemicals.co.uk

**Email** info@skychemicals.co.uk

**1.4 Emergency telephone number**

**Emergency number** 0114 278 0222 (M-F 09:00-17:00)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

**Classification according to CLP** H314 Causes severe skin burns and eye damage. Skin Corrosion / Irritation Category 1B  
H314 Causes severe skin burns and eye damage. Eye Damage / Irritation Category 1  
H400 Very toxic to aquatic life. Hazardous to the Aquatic Environment - Acute Hazard Category 1  
H411 Toxic to aquatic life with long lasting effects. Hazardous to the Aquatic Environment - Long-term Hazard Category 2

**2.2 Label elements****Hazard pictograms**

**Signal word** Danger

**Hazard statements**

H314 - Causes severe skin burns and eye damage.  
H400 - Very toxic to aquatic life.  
H411 - Toxic to aquatic life with long lasting effects.

**Precautionary statement(s):**

**Prevention** P260 Do not breathe vapour or dust.  
P264 Wash hands and other contacted skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/eye protection/face protection.

**Response** P301/330/331 If swallowed: Rinse mouth. Do not induce vomiting.  
P303/361/353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304/340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.

**Storage** P405 Store locked up.

**Disposal** P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.

**2.3 Other hazards**

None

**SECTION 3: Composition/information on ingredients****3.1 Substances**

See Section 3.2

**3.2 Mixtures**

Name	CAS No.	EC No.	Classification	Percent
Sodium hydroxide	1310-73-2	215-185-5	H314 - Skin Corr. 1A	1 - 5%
Sodium hypochlorite	7681-52-9	231-668-3	H290 - Met. Corr. 1 H314 - Skin Corr. 1B, Eye Dam. 1 H335 - STOT SE 3 H410 - Aquatic Acute 1, Aquatic Chronic 1	1 - 5%

**SECTION 4: First aid measures****4.1 Description of first aid measures**

**Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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<b>Skin contact</b>	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	If swallowed: Rinse mouth. Do not induce vomiting.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
<b>Eye contact</b>	Causes severe skin burns and eye damage.
<b>Skin contact</b>	Causes severe skin burns and eye damage.
<b>Inhalation</b>	
<b>Ingestion</b>	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
<b>Ingestion</b>	
<b>Skin and Eye</b>	None expected, see Section 4.1 for further information
<b>Inhalation</b>	
<b>SECTION 5: Firefighting measures</b>	
<b>5.1 Extinguishing media</b>	
<b>Suitable media</b>	Carbon dioxide, Dry chemical, Foam
<b>Unsuitable media</b>	
<b>5.2 Special hazards arising from the substance or mixture</b>	
<b>Hazardous combustion products</b>	Chlorine and chlorine compounds
<b>5.3 Advice for firefighters</b>	
<b>Fire Fighting</b>	In case of insufficient ventilation, wear suitable respiratory equipment
<b>SECTION 6: Accidental release measures</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.	
<b>6.2 Environmental precautions</b>	
Keep away from drains, surface and ground water, and soil.	
<b>6.3 Methods and material for containment and cleaning up</b>	
Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.	
<b>6.4 Reference to other sections</b>	
Also refer to sections 8 and 13.	
<b>SECTION 7: Handling and storage</b>	
<b>7.1 Precautions for safe handling</b>	
<b>Safe handling</b>	Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.
<b>Fire and explosion</b>	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
<b>Other information</b>	
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Suitable storage</b>	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
<b>Storage incompatibility</b>	
<b>7.3 Specific end uses</b>	
<b>Recommendations</b>	Beer Line Cleaner: Use in accordance with good manufacturing and industrial hygiene practices.
<b>SECTION 8: Exposure controls/personal protection</b>	
<b>8.1 Control parameters</b>	
<b>Workplace exposure limits:</b> Not Applicable	
<b>8.2 Exposure controls</b>	
<b>8.2.1 Engineering controls</b>	
Under normal conditions of use this material should not require special engineering controls.	
<b>8.2.2 Personal protection equipment:</b>	
<b>Eye and face protection</b>	Wear protective gloves/eye protection/face protection
<b>Skin protection</b>	Wear protective gloves/eye protection/face protection
<b>Hands protection</b>	Wear protective gloves/eye protection/face protection

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<b>Respiratory protection</b>	Under normal conditions of use this material should not require special engineering controls. Also refer to Sections 2 and 7.
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### 8.2.3 Environmental exposure controls:

Dispose of contents/container to approved disposal site, in accordance with local regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Purple liquid	<b>Physical state:</b>	Liquid
<b>Odour:</b>	None detectable	<b>Flash point:</b>	>61°
<b>pH:</b>	12	<b>pH (as solution):</b>	n/a

### 9.2 Other information

None available

## SECTION 10: Stability and Reactivity

<b>10.1 Reactivity</b>	Presents no significant reactivity hazard, by itself or in contact with water.
<b>10.2 Chemical stability</b>	Good stability under normal storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	Not expected under normal conditions of use.
<b>10.4 Conditions to avoid</b>	Avoid extreme heat.
<b>10.5 Incompatible materials</b>	Avoid contact with strong acids, alkalis or oxidising agents.
<b>10.6 Hazardous decomposition products</b>	Not expected.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Acute toxicity</b>	Based on available data the classification criteria are not met.
Acute toxicity Oral	Not Applicable
Acute toxicity Dermal	Not Applicable
Acute toxicity Inhalation	Not Applicable
<b>Skin corrosion/irritation</b>	Skin Corrosion / Irritation Category 1B
<b>Serious eye damage/irritation</b>	Eye Damage / Irritation Category 1
<b>Respiratory or skin sensitisation</b>	Based on available data the classification criteria are not met.
<b>Germ Cell mutagenicity</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data the classification criteria are not met.
<b>STOT-single exposure;</b>	Based on available data the classification criteria are not met.
<b>STOT-repeated exposure</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.

## SECTION 12: Ecological information

<b>12.1 Toxicity</b>	Very toxic to aquatic life. Toxic to aquatic life with long lasting effects
<b>12.2 Persistence and degradability</b>	Not available
<b>12.3 Bioaccumulative potential</b>	Not available
<b>12.4 Mobility in soil</b>	Not available
<b>12.5 PBT and vPvB assessment</b>	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
<b>12.6 Endocrine disrupting properties</b>	Not available
<b>12.7 Other adverse effects</b>	Not available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

<b>Product disposal</b>	Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment.
<b>Packaging disposal</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport Information

<b>14.1 UN number or ID number</b>	1760
<b>14.2 UN proper shipping name</b>	CORROSIVE LIQUID, N.O.S. (Sodium hydroxide, Sodium Hypochlorite)
<b>14.3 Transport hazard class(es)</b>	8
<b>14.4 Packing group</b>	II

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**14.5 Environmental hazards** This is classified as an environmentally hazardous substance under the UN Model Regulations.

**14.6 Special precautions for user** None

**14.7 Maritime transport in bulk according to IMO instruments** Not applicable

## SECTION 15: Regulatory information

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

Water Hazard Class (WGK): 3

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

## SECTION 16: Other information

<b>Date of issue:</b>	<b>22<sup>nd</sup> April 2024</b>	<b>Version number:</b>	<b>2024/04</b>
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### Abbreviations

Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Eye Dam. 1	Eye Damage / Irritation Category 1
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to Metals Category 1
P234	Keep only in original container.
P260	Do not breathe vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Corr. 1A	Skin Corrosion / Irritation Category 1A
Skin Corr. 1B	Skin Corrosion / Irritation Category 1B