SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Pipeline Original
- UFI: 85V5-MN4W-MD94-AG7M
- Product Part Number: D-PLNO

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

- Use of the substance/mixture: Beer Line Cleaner
- Use advised against: Use only for the recommended application.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Chemisphere UK Ltd
- Address of Supplier: Unit 7-8, Severnside Trading Estate
  Testilose Road
  Trafford Park
  Manchester
  M17 1WA
- Telephone: +44 (0) 161 874 7200
- Responsible Person: Wilfred Worsley
- Email: safetydata@chemisphereuk.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 776 724 8499

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Corr. 1A

2.2 Label elements

GHS05

- Signal Word: Danger

Hazard statements

H314 - Causes severe skin burns and eye damage.
EUH031 - Contact with acids liberates toxic gas.

Precautionary statements

P102 - Keep out of reach of children.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 2: Hazards identification (....)

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.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P313 - Get medical advice/attention.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314 - Get medical advice/attention if you feel unwell.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P101 - If medical advice is needed, have product container or label at hand.

Supplemental Hazard information (EU)

Contains: Potassium hydroxide

2.3 Hazards identification

- Not a PBT according to REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Sodium carbonate

CAS Number:	497-19-8
EC Number:	207-838-8
Concentration:	< 5%
Categories:	Eye Irrit. 2
M factor:	
Specific Concentration Limits:	None assigned
Acute toxicity estimate:	
Symbols:	GHS07
H Statements:	H319

potassium hydroxide; caustic potash

CAS Number:	1310-58-3
EC Number:	215-181-3
Concentration:	1 - 20%
Categories:	Acute Tox. 4; Skin Corr. 1A
M factor:	
Specific Concentration Limits:	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %
Acute toxicity estimate:	
Symbols:	GHS05, GHS07
H Statements:	H302, H314

SECTION 3: Composition/information on ingredients (....)

Sodium hypochlorite, solution ... % Cl active

CAS Number:	7681-52-9
EC Number:	231-668-3
Concentration:	< 5%
Categories:	Skin Corr. 1B; Aquatic Acute 1
M factor:	10
Specific Concentration Limits:	EUH031: C ≥ 5 %
Acute toxicity estimate:	
Symbols:	GHS05,GHS09
H Statements:	H314,H318,H410,H400,EUH031
M factor, acute:	10

Potassium permanganate

CAS Number:	7722-64-7
EC Number:	231-760-3
Concentration:	< 1%
Categories:	Ox. Sol. 2; Acute Tox. 4; Aquatic Acute 1; Aquatic Chronic 1
M factor:	10;10
Specific Concentration Limits:	None assigned
Acute toxicity estimate:	
Symbols:	GHS03,GHS05,GHS09,GHS07,GHS08
H Statements:	H272,H302,H314,H318,H361d,H373,H400,H410
M factor, acute:	10

SECTION 4: First aid measures

4.1 Description of first aid measures

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

4.2 Most important symptoms and effects, both acute and delayed

Contact with eyes

Risk of serious damage to eyes
May cause permanent damage if eye is not immediately irrigated.

Ingestion

Causes damage to the digestive tract if swallowed
Causes severe burns

Inhalation

SECTION 4: First aid measures (....)

Can cause damage to the respiratory system
Corrosive to the respiratory tract.

Contact with skin

Corrosive to skin
Causes severe burns

4.3 Indication of any immediate medical attention and special treatment needed

- If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Wear chemical protection suit and breathing apparatus
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Do not allow to enter public sewers and watercourses

6.2 Environmental precautions

- For large spills:. Do not allow product to enter drains. For small spills:. Flush down the drain with plenty of water.

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Collect spillage.

6.4 Reference to other sections

- Wear protective clothing as per section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact with skin and eyes
- Do not breathe vapour/fumes
- Do not mix with any other products

SECTION 7: Handling and storage (....)

- Proper chemicals handling procedures should be adopted
- Handle and open container with care
- Ensure adequate ventilation
- Do not wear contact lenses when working with this material
- Dispose of contents/container to an authorised waste collection point
- Contact with acids liberates toxic gas.

7.2 Conditions for safe storage, including any incompatibilities

- Keep locked up and out of reach of children
- Keep only in the original container in a cool, well ventilated place away from acid
- Incompatible with acid
- Protect from sunlight.
- Store locked up.

7.3 Specific end use(s)

- Beer line cleaning.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Sodium carbonate

DNEL (Industry; inhalational, long term local effects): 10 mg/m³
DNEL (Consumer; inhalational, short term local effects): 5 mg/m³

potassium hydroxide; caustic potash

DNEL (Industry; inhalational, long term local effects): 1.55 mg/m³
DNEL (Consumer; inhalational, short term local effects): 3.1 mg/m³
DNEL (Consumer; inhalational, long term local effects): 1.55 mg/m³
DNEL (Consumer; oral, long term systemic effects): 0.26 mg/kg/day

Sodium hypochlorite, solution ... % Cl active

DNEL (Consumer; inhalational, long term systemic effects): 0.039 mg/m³
DNEL (Industry; inhalational, long term systemic effects): 0.218 mg/m³
DNEL (Industry; inhalational, long term local effects): 1.55 mg/m³
DNEL (Consumer; inhalational, short term local effects): 3.1 mg/m³
DNEL (Consumer; inhalational, long term local effects): 1.55 mg/m³
DNEL (Consumer; oral, long term systemic effects): 0.26 mg/kg/day

Potassium permanganate

DNEL (Consumer; inhalational, long term systemic effects): 0.039 mg/m³
DNEL (Industry; inhalational, long term systemic effects): 0.218 mg/m³

8.2 Exposure controls

- Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

SECTION 9: Physical and chemical properties (....)

- Appearance: dark, Liquid
- Odour: Slight smell of chlorine
- pH: > 13
- Density: 1.11 g/cm³ at 20 °C
- Viscosity - not known
- Melting point - not applicable
- Conductivity: Not available
- Solubility in water: Soluble in water
- Flammability: Not flammable
- Flash point - not known
- Evaporation rate - not known
- Physical state: liquid
- Flashpoint: >93°C

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- Reacts with acid

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Contact with acid may form toxic gases

10.4 Conditions to avoid

- Keep away from heat, light and moisture

10.5 Incompatible materials

- Avoid contact with acid
- Avoid contact with aluminium
- Avoid contact with zinc
- Avoid contact with tin

10.6 Hazardous decomposition products

- No hazardous decomposition products known

SECTION 11: Toxicological information

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

Acute toxicity

Estimated LD_{50} (oral) (ATE) : 9276.438 mg/kg
Estimated LD_{50} (dermal) (ATE) : >4000 mg/kg

SECTION 11: Toxicological information (....)

Estimated LC_{50} (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

Sodium carbonate

LD_{50} (oral, rat): 2800 mg/kg
LD_{50} (dermal) : 2000 mg/kg
LC_{50} (inhalation, rat): 2300 mg/l

potassium hydroxide; caustic potash

LD_{50} (oral, rat): > 1200 mg/kg
LD_{50} (dermal) : > 2000 mg/kg
LC_{50} (inhalation, rat): 10500 mg/l

Sodium hypochlorite, solution ... % Cl active

LD_{50} (oral, rat): > 1200 mg/kg
LD_{50} (dermal) : > 2000 mg/kg
LC_{50} (inhalation, rat): 10500 mg/l

Potassium permanganate

LD_{50} (oral, rat): =750 mg/kg
LD_{50} (dermal) : > 2000 mg/kg
LC_{50} (inhalation, rat): No information available

Serious eye damage/irritation

Causes serious eye damage.

Skin corrosion/irritation

Causes severe burns

Respiratory or skin sensitisation

Corrosive to the respiratory tract.
Harmful if inhaled.

Germ cell mutagenicity

Not available

Carcinogenicity

No information available

Reproductive toxicity

No information available

STOT (specific target organ toxicity) - single exposure

Not available

STOT (specific target organ toxicity) - repeated exposure

Not available

Aspiration hazard

SECTION 11: Toxicological information (....)

Not available

11.2 Information on other hazards

- Not available

SECTION 12: Ecological information

12.1 Toxicity

Sodium carbonate

IC_{50} (algae): 300 mg/l (72 hr)
EC_{50} (daphnia): 265 mg/l (48 hr)

potassium hydroxide; caustic potash

IC_{50} (algae): 0.06 mg/l (72 hr)

Sodium hypochlorite, solution ... % Cl active

IC_{50} (algae): Unknown mg/l (72 hr)
EC_{50} (daphnia): 0.01-0.1 mg/l (48 hr)
LC_{50} (fish): 0.01-0.1 mg/l (96 hr)

Potassium permanganate

IC_{50} (algae): 0.47 mg/l (72 hr)
EC_{50} (daphnia): 0.06 mg/l (48 hr)
LC_{50} (fish): 3.11 mg/l (96 hr)

12.2 Persistence and degradability

- Not readily biodegradable

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- Soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- None known

12.7 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

SECTION 13: Disposal considerations (....)

- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point

SECTION 14: Transport information

Corrosive

14.1 UN number or ID number

- UN No.: 3266

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS POTASSIUM HYDROXIDE; SODIUM HYPOCHLORITE, SOLUTION ... % CL ACTIVE)

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: I

14.5 Environmental hazards

- None assigned

14.6 Special precautions for user

- ADR Classification Code: CS
- Tunnel Bulk Restriction Codes: D

14.7 Emergency Action Code

- 2R

14.8 Sea (IMDG)

- 18. Alkalis

14.9 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

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- EUH031: Contact with acids liberates toxic gas. H272: May intensify fire; oxidiser. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H319: Causes serious eye irritation. H361d: Suspected of damaging the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

**The information supplied in this Safety 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.**

--- end of safety datasheet ---