SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Pipeline Purple Professional Powder

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

- Use of the substance/mixture: Beer Line Cleaner

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
  Textilose 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

Contains: Potassium hydroxide

2.1 Classification of the substance or mixture

- CLP: Acute Tox. 4, Skin Corr. 1A, Aquatic Chronic 2

2.2 Label elements

GHS05 GHS09 GHS07

- Signal Word: Danger
- Hazard statements
  Harmful if swallowed.
  Causes severe skin burns and eye damage.
  Toxic to aquatic life with long lasting effects.
- Precautionary statements
  Keep out of reach of children
  Do not breathe dust/fume/gas/mist/vapours/spray.
  Wear protective gloves/protective clothing/eye protection/face protection.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2: Hazards identification (....)

Get medical advice/attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Get medical advice/attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
If skin irritation occurs: Get medical advice/attention.
If medical advice is needed, have product container or label at hand.

- Supplemental Hazard information (EU)

2.3 Hazards identification

- Not a PBT according to REACH Annex XIII
- Contact with acids liberates very toxic gas.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- Sodium carbonate
  CAS Number: 497-19-8
  EC Number: 207-838-8
  Concentration: 5 - 10%
  Categories: Eye Irrit. 2
  Symbols: GHS07
  H Statements: H319

- Potassium hydroxide
  CAS Number: 1310-58-3
  EC Number: 215-181-3
  Concentration: 40 - 80%
  Categories: Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A, Eye Dam. 1
  Symbols: GHS05;GHS07
  H Statements: H290, H302, H314
  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 %

- 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
  Symbols: GHS03;GHS07;GHS09
  H Statements: H272;H302;H400;H410

- Sodium dishloroisocyanurate
  CAS Number: 2893-78-9

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

EC Number:	220-767-7
Concentration:	10 - 30%
Categories:	Ox. Sol. 2, Acute Tox. 4, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1
Symbols:	GHS03, GHS07, GHS09
H Statements:	H272, H302, H319, H335, H400, H410

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
  Causes severe burns
  Risk of serious damage to eyes
  May cause permanent damage if eye is not immediately irrigated.
- Ingestion
  Causes severe burns
  May cause damage to the digestive tract if swallowed
  Harmful if swallowed
- Inhalation
  Corrosive to the respiratory tract.
  Can cause damage to the respiratory system
  Harmful if inhaled.
- 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
- In a fire this product will release oxides of carbon.

5.3 Advice for firefighters

SECTION 5: Firefighting measures (....)

- Wear chemical protection suit and breathing apparatus

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.
- Ensure adequate ventilation

6.2 Environmental precautions

- Do not discharge into drains or the environment, dispose to an authorised waste collection point

6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal
- Flush spill area with copious amounts of water

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 dust/fume/gas/mist/vapours/spray.
- Do not mix with any other products
- Proper chemicals handling procedures should be adopted
- Handle and open container with care
- Ensure adequate ventilation

7.2 Conditions for safe storage, including any incompatibilities

- Keep locked up and out of reach of children
- Protect from sunlight.
- Keep in a cool, dry, well ventilated place
- Incompatible with oxidizing substances
- Incompatible with acid
- Protect from moisture.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Sodium carbonate
  DNEL (Industry; inhalational, long term local effects): 10 mg/m³

- Potassium permanganate
  DNEL (Consumer; inhalational, long term systemic effects): 0.039 mg/m³

SECTION 8: Exposure controls/personal protection (....)

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

8.2 Exposure controls

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

Gloves

Goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: powder, white
- Odour: Slight smell of chlorine
- pH: > 12
- Density: 1.20 g/cm³ at 20 °C
- Conductivity: Not available
- Solubility in water: Soluble in water
- Flammability: Not flammable
- Physical state: solid

9.2 Other information

- No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- Reacts with acid
- Reacts with strong oxidizing substances

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, light and moisture

10.5 Incompatible materials

- Avoid contact with acid
- Avoid contact with oxidising substances
- Avoid contact with combustible material
- Avoid contact with aluminium
- Avoid contact with copper
- Avoid contact with tin
- Avoid contact with zinc

SECTION 10: Stability and reactivity (....)

10.6 Hazardous decomposition products

- No hazardous decomposition products known

SECTION 11: Toxicological information

11.1 Serious eye damage/irritation

- Causes serious eye damage.

11.2 Ingestion

- Causes damage to the digestive tract
- Causes damage to the stomach lining
- Harmful if swallowed

11.3 Inhalation

- Corrosive to the respiratory tract.
- Harmful if inhaled.

11.4 Skin corrosion/irritation

- Causes severe burns

11.5 Information on toxicological effects

- Sodium carbonate
  LD_{50} (oral, rat): 2800 mg/kg
  LD_{50} (dermal) : 2000 mg/kg
  LC_{50} (inhalation, rat): 2300 mg/l
- Potassium permanganate
  LD_{50} (oral, rat): > 2000 mg/kg
  LD_{50} (dermal) : > 2000 mg/kg
  LC_{50} (inhalation, rat): No information available

SECTION 12: Ecological information

12.1 Toxicity

- Sodium carbonate
  EC_{50} (daphnia): 265 mg/l (48 hr)
  LC_{50} (fish): 300 mg/l (96 hr)
- Potassium hydroxide
  EC_{50} (daphnia): 40-240 mg/l (48 hr)
  LC_{50} (fish): 80 mg/l (96 hr)
- Potassium permanganate
  IC_{50} (algae): 0.43 mg/l (72 hr)
  EC_{50} (daphnia): 0.15 mg/l (48 hr)
  LC_{50} (fish): 1.51 mg/l (96 hr)

SECTION 12: Ecological information (....)

- Sodium dishloroisocyanurate
  LC_{50} (fish): 0.38 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 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

Corrosive

ENVIRONMENTALLY HAZARDOUS

14.1 UN number or ID number

- UN No.: 3262

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide)

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- Marine Pollutant
- ENVIRONMENTALLY HAZARDOUS

14.6 Special precautions for user

- Identification Number: 80

SECTION 14: Transport information (....)

- IMDG EmS: F-A, S-B
- Tunnel Code: (E)
- Contains: Potassium Hydroxide

14.7 Emergency Action Code

- 2X

14.8 Transport in bulk according to Annex II of Marpol and the IBC Code

- 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 Regulation 1907/2006-2015/830

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:- H272: May intensify fire; oxidiser. H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H319: Causes serious eye irritation. H335: May cause respiratory irritation. 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 ---