

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/5

PIPELINE

Revision 0
Revision date 2011-06-16

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

1.1. Product identifier

Product name PIPELINE

1.3. Details of the supplier of the safety data sheet

Company Chemisphere UK Ltd
Address Unit 4
No 3 Richmond Road
Trafford Park
Manchester
M17 1RE
UK

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC C; R35
Symbols: C: Corrosive.

Main hazards Causes severe burns.

2.3. Other hazards

R31 - Contact with acids liberates toxic gas.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium Hypochlorite, solution...% Cl active	017-011-00-1	7681-52-9	231-668-3		1 - 10%	C; R34 R31 N; R50
Potassium Hydroxide	019-002-00-8	1310-58-3	215-181-3		10 - 20%	Xn; R22 C; R35
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 10%	Xi; R36

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move the exposed person to fresh air. Keep the affected person warm and at rest. Seek medical attention if irritation or symptoms persist.

Eye contact Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Transfer to hospital for specialist examination.

Skin contact Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.

PIPELINE

Revision 0

Revision date 2011-06-16

4.1. Description of first aid measures

Ingestion	Do NOT induce vomiting. Drink 1 to 2 glasses of water. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
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4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	Risk of serious damage to eyes.
Skin contact	Causes severe burns.
Ingestion	Ingestion causes burns to the respiratory tract.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear self contained breathing apparatus and protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable gloves and eye/face protection. Evacuate the area immediately.
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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.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Wear suitable gloves and eye/face protection. Adopt best Manual Handling considerations when handling, carrying and dispensing. Handle and open container with care. Ensure adequate ventilation of the working area. Warning! Do not use together with other products. May release dangerous gases (chlorine).
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7.2. Conditions for safe storage, including any incompatibilities

	Keep locked up and out of the reach of children. Keep container tightly closed in a cool place. Avoid contact with: Direct sunlight. Avoid contact with: Acids. Keep only in the original container.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Potassium Hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable gloves and eye/face protection.

SECTION 9: Physical and chemical properties

PIPELINE

Revision 0

Revision date 2011-06-16

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Dark
Odour	Mild
pH	12.6
Relative density	1.14 (Water = 1 @ 20 °C)
Solubility	Miscible in water

SECTION 10: Stability and reactivity

10.1. Reactivity

Avoid contact with: Acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Direct sunlight. Heat.

10.5. Incompatible materials

Strong acids. Amines.

10.6. Hazardous decomposition products

Chlorine. Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed.
Skin corrosion/irritation	Causes severe burns.
Serious eye damage/irritation	Causes severe burns.
Aspiration hazard	Causes severe burns.

SECTION 12: Ecological information

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

Miscible in water.

12.6. Other adverse effects

Toxic to aquatic organisms. Toxic to fauna.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

Do not empty into drains; dispose of this material and its container in a safe way.

Disposal of packaging

Empty containers can be cleaned with water. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

PIPELINE

Revision 0

Revision date 2011-06-16

Hazard pictograms

Hazard pictograms	
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14.1. UN number

UN3266

14.2. UN proper shipping name

Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium Hydroxide)
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14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

14.4. Packing group

Packing group	II
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	80
Tunnel Category	E

IMDG


EmS Code	F-A S-B
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IATA

Packing Instruction (Cargo)	855
Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

SECTION 15: Regulatory information

Labelling

Symbols	The product is classified in accordance with 67/548/EEC. C: Corrosive. 
Risk phrases	R31 - Contact with acids liberates toxic gas. R35 - Causes severe burns.

PIPELINE

Revision 0

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Labelling

Safety phrases	<p>S1/2 - Keep locked up and out of the reach of children.</p> <p>S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S28 - After contact with skin, wash immediately with plenty of Water.</p> <p>S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.</p> <p>S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</p> <p>S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.</p>
Precautionary Phrases	P6 - Warning! Do not use together with other products. May release dangerous gases (chlorine).

SECTION 16: Other information

Other information

Text of risk phrases in Section 3	<p>R22 - Harmful if swallowed.</p> <p>R31 - Contact with acids liberates toxic gas.</p> <p>R34 - Causes burns.</p> <p>R35 - Causes severe burns.</p> <p>R36 - Irritating to eyes.</p> <p>R50 - Very toxic to aquatic organisms.</p>
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Further information

	<p>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.</p>
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