SAFETY DATA SHEET
Odex Purple Pipeline 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 Odex Purple Pipeline Cleaner

Product number PPC60P

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

Identified uses Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier

Deb Ltd
Denby Hall Way
Denby
Derbyshire
DE5 8JZ
Main Tel. 01773 855100
Technical Tel 01773 855105
reach@deb.co.uk

1.4. Emergency telephone number

Emergency telephone National Poisons Information Service (UK) 0844 8920111

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. R31,R52/53.

Environmental The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

2.2. Label elements

Pictogram

Signal word Danger

Odex Purple Pipeline Cleaner

Hazard statements	H314 Causes severe skin burns and eye damage. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. 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. P405 Store locked up. P501 Dispose of contents/container in accordance with national regulations. P314 Get medical advice/attention if you feel unwell.
Supplemental label information	EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).
Contains	POTASSIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE
Detergent labelling	< 5% chlorine-based bleaching agents,< 5% phosphates
Supplementary precautionary statements	P260 Do not breathe vapour/spray. P264 Wash contaminated skin thoroughly after handling. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P363 Wash contaminated clothing before reuse.

2.3. Other hazards

None.

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)
Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	C;R34 R31 N;R50

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POTASSIUM POLYPHOSPHATE		1-5%
CAS number: 68956-75-2	REACH registration number: 01-2119489369-18-XXXX	

Classification	Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319	Xi;R36/38.

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

Inhalation Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. 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

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

Ingestion May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

Skin contact Burns can occur.

Eye contact Corneal damage. May cause blurred vision and serious eye damage.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air.

Hazardous combustion products None known. Heating may generate the following products: Chlorine. Hydrogen chloride (HCl). Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. 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 personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Avoid inhalation of vapours and spray/mists. Contact with acids liberates toxic gas. Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place.

Storage class Corrosive storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

POTASSIUM HYDROXIDE

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

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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

POTASSIUM POLYPHOSPHATE (CAS: 68956-75-2)

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
- Intermittent release; 0.6 µg/L

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

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Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Neoprene. Nitrile rubber. Polyethylene. or Polyvinyl chloride (PVC).
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Purple.
Odour	Chlorine.
Odour threshold	Not determined. Not determined.
pH	pH (concentrated solution): ~13.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not applicable.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Not applicable. : : Not applicable.
Vapour density	Not determined.
Relative density	~ 1.080 @ 20 Deg C°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	None.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity The following materials may react violently with the product: Acids. Oxidising materials. In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air. Aluminium. Tin. Zinc.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The following materials may react violently with the product: Acids. Chlorohydrocarbons.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Acid-reactive materials. Acids. Chlorinated hydrocarbons. Ammonia. Aluminium, Zinc, Lead, Tin and alloys of these metals.

10.6. Hazardous decomposition products

Hazardous decomposition products Hydrogen. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Chlorine.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 10,204.08163265

Acute toxicity - dermal

Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Corrosive to skin. Corrosivity to eyes is assumed. No testing is needed.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

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Inhalation 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.

Eye contact Causes burns.

SECTION 12: Ecological Information

Ecotoxicity The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

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

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility Mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Reuse or recycle products wherever possible.

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

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UN No. (ADN)	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
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels

14.4. Packing group

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

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	2
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

SECTION 15: Regulatory information

Odex Purple Pipeline Cleaner

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

EU legislation

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 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 (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).
Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

Only trained personnel should use this material.

Key literature references and sources for data

Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.

Revision comments

SDS amended in line with REGULATION (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (as amended)

Revision date

15/05/2015

Revision

6

Supersedes date

10/10/2011

Risk phrases in full

R22 Harmful if swallowed.
R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R35 Causes severe burns.
R36/38 Irritating to eyes and skin.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful 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.
H315 Causes skin irritation.
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.

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Notes for Risk Phrases and Hazard Statements in Full	The full text for Risk Phrases and Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.