

**SAFETY DATA SHEET**

**NEUTRAL DE-RUSTER**

**1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**1.1. Product identifier**

**Product name:** NEUTRAL DE-RUSTER

**Product code:** XD

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

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

**Company name:** Pure Clean Waste Solutions Ltd

Old Moor Road,  
Bredbury,  
Stockport,  
SK6 2QE

**Tel:** 0161 430 5390

**Fax:** 0161 406 9723

**Email:** support@pcws.co.uk

**Emergency Tel:** 0161 430 5390

**1.4. Emergency telephone number**

**Emergency Tel:** 0161 430 5390 (Office hours only)

**2 HAZARD IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification under CHIP:** C: R35

**Classification under CLP:** Skin Corr. 1A: H314

**Most important adverse effects:** Causes severe burns.

**2.2. Label element**

**Label elements under CLP:**

**Hazard statements:** H314: Causes severe skin burns and eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion



**Precautionary statements:**

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/eye protection.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363: Wash contaminated clothing before reuse.

**Label elements under CHIP:**

**Hazard symbols:** Corrosive.



**Risk phrases:**

R35: Causes severe burns.

**Safety phrases:**

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**SAFETY DATA SHEET**

**NEUTRAL DE-RUSTER**

**2 HAZARD IDENTIFICATION**

**2.3. Other hazards**

**PBT:** This substance is not identified as a PBT substance.

**3 Composition/information on ingredients**

**3.2. Mixtures**

**Hazard Ingredients:**

1-HYDROXYETHANE-1, 1-DIPHOSPHONIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
220-552-8	2809-21-4	Xn: R22; Xi: R41	Met. Corr. 1: H290; Eye Dam. 1: H318; Acute Tox. 4: H302	10-30%

POTASSIUM HYDROXIDE

215-181-3	1310-58-3	Xn: R22; C: R35	Acute Tox. 4: H302; Skin Corr. 1A: H314	5-10%
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2-PHOSPHONOBUTANE-1,2,4-TRICARBOXYLIC ACID

253-733-5	37971-36-1	C: R34	Met. Corr. 1: H290; Eye Irrit. 2: H319	1-5%
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**4 First Aid Measures**

**4.1. Description of first aid measures**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. 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.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

**4.2. Most important symptoms and effect, both acute and delayed**

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

**SAFETY DATA SHEET**

**NEUTRAL DE-RUSTER**

5

**FIRE-FIGHTING MEASURES**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6

**ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

7

**Handling and Storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**7.3. Specific use(s)**

**Specific end use(s):** No data available.

**SAFETY DATA SHEET**

**NEUTRAL DE-RUSTER**

**8 Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

**POTASSIUM HYDROXIDE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	2 mg/m3	-	-

**8.1. DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.  
**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.  
**Hand protection:** Impermeable gloves.  
**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.  
**Skin protection:** Impermeable protective clothing.

**9 Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Liquid  
**Colour:** Colourless to Pale Straw  
**Odour:** Odourless  
**Solubility in water:** Miscible in all proportions  
**Relative density:** 1.14  
**pH:** 6.6

**9.2. Other information**

**Other information:** No data available.

**10 Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reaction**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**SAFETY DATA SHEET**

**NEUTRAL DE-RUSTER**

**11 Toxicological products**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**1-HYDROXYETHANE-1, 1-DIPHOSPHONIC ACID**

DERMAL	RBT	LD50	>7940	mg/kg
ORAL	RAT	LD50	2400	mg/kg

**POTASSIUM HYDROXIDE**

ORL	RAT	LD50	273	mg/kg
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**Relevant effects for mixture:**

Effect	Route	Basis
Corrosivity	OPT INH DRM	Hazardous: calculated

**Symptoms / routes of exposure**

<b>Skin contact:</b>	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
<b>Eye contact:</b>	Corneal burns may occur. May cause permanent damage.
<b>Ingestion:</b>	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
<b>Inhalation:</b>	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
<b>Delayed / immediate effects:</b>	Immediate effects can be expected after short-term exposure.

**12 Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**1-HYDROXYETHANE-1, 1-DIPHOSPHONIC ACID**

Daphnia magna	48H EC50	878	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	300	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**SAFETY DATA SHEET**

**NEUTRAL DE-RUSTER**

**13 Disposal Considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14 Transport information**

**14.1. UN Number**

**Transport class:** This product does not require a classification for transport

**15 Regulatory information**

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

**Specific regulations:** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (known as 'CHIP 4') which closely follows the European Commissions labeling guide (Annex VI to Directive 67/548/EEC). Dangerous Preparations Directive (1999/45/EC). European Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (known as 'CLP'). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 aligned with ADR. Workplace Exposure Limits EH40.2005 (2nd edition published 2011). REACH: Regulation 1907/2006/EC effective June 1st, 2007. The raw materials used in this preparation have been pre-registered in accord with the requirements of REACH.

**15.2. Chemical Safety Assessment**

**16 Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.  
\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:**  
H290: May be corrosive to metals.  
H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
R22: Harmful if swallowed.  
R34: Causes burns.  
R35: Causes severe burns.  
R41: Risk of serious damage to eyes.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.