

**SAFETY DATA SHEET**  
OPC BRIGHTWASH DESCALER

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Compilation date: 09/06/2015

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Revision No: 4

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** OPC BRIGHTWASH DESCALER

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

**Use of substance / mixture:** Acidic descaler

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

**Company name:** OPC Solutions

Unit 3 Trojan Business Centre  
Cobbold Road  
London  
NW10 9ST

**Tel:** 0845 070 4535

**Fax:** 0845 070 4536

**Email:** [sales@theoplgroup.co.uk](mailto:sales@theoplgroup.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** 0845 070 4535  
(office hours only)

**Section 2: Hazards identification**

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

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

**Most important adverse effects:** Causes severe skin burns and eye damage.

**2.2. Label elements**

**Label elements:**

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

**Hazard pictograms:** GHS05: Corrosion



**Signal words:** Danger

**Precautionary statements:** P280: Wear protective gloves and eye protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

[cont...]

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Rinse skin with water .

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P310: Immediately call a doctor.

**Haz. ingredients (label):** ORTHOPHOSPHORIC ACID

**2.3. Other hazards**

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

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

ORTHOPHOSPHORIC ACID - REACH registered number(s): 01-2119485924-24-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-633-2	7664-38-2	-	Skin Corr. 1B: H314	30-50%

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Remove contaminated clothing immediately and rinse skin with plenty of water. Get medical attention immediately.

**Eye contact:** Bathe the eye with running water for 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.

**Ingestion:** Immediately rinse mouth and drink plenty of water (200-300ml). Do not induce vomiting. Get medical attention immediately.

**Inhalation:** Move the exposed person to fresh air at once. Get medical attention.

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

**Skin contact:** May cause serious chemical burns to the skin.

**Eye contact:** Causes serious eye damage. The eyes may water profusely. There may be severe pain.

**Ingestion:** May cause chemical burns in mouth, oesophagus and stomach.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat.

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

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

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Foam, dry powder, carbon dioxide and water mist are all suitable extinguishing media. Use water spray to cool containers.

[cont...]

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

**Exposure hazards:** Corrosive.

**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.

**Section 6: Accidental release measures**

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

**Personal precautions:** 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.

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

**Clean-up procedures:** Absorb with inert liquid-binding material (sand, dry earth, diatomite, universal binders). Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with water

**6.4. Reference to other sections**

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

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact and/or splashes where possible. Ensure there is sufficient ventilation of the area.

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

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

**7.3. Specific end use(s)**

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

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

[cont...]

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**ORTHOPHOSPHORIC ACID...100%**

**Workplace exposure limits:**

**Respirable dust:**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-	-

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** No special requirements under normal use conditions.

**Hand protection:** Wear suitable protective gloves, which comply with standard EN374.

**Eye protection:** Safety glasses or safety goggles

**Skin protection:** Wear suitable protective clothing as protection against splashing.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Characteristic odour

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** >100

**Relative density:** 1.2 - 1.3

**pH:** <1

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

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

**10.2. Chemical stability**

**Chemical stability:** Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** No hazardous reactions known under normal storage and use conditions.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

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**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** None known under normal storage and use conditions

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**ORTHOPHOSPHORIC ACID...100%**

ORL	RAT	LD50	1530	mg/kg
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**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** May cause serious chemical burns to the skin.

**Eye contact:** Causes serious eye damage. The eyes may water profusely. There may be severe pain.

**Ingestion:** May cause chemical burns in mouth, oesophagus and stomach.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat.

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

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** The product is expected to be biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** The product does not contain any substances expected to be bioaccumulating.

**12.4. Mobility in soil**

**Mobility:** Soluble in water.

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

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

**12.6. Other adverse effects**

[cont...]

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**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Waste is classified as hazardous. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal of packaging:** Dispose of observing national or local regulations.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1805

**14.2. UN proper shipping name**

**Shipping name:** PHOSPHORIC ACID, SOLUTION

**14.3. Transport hazard class(es)**

**Transport class:** 8

**14.4. Packing group**

**Packing group:** III

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 3

**Section 15: Regulatory information**

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

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

[cont...]

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**Phrases used in s.2 and s.3:** H314: Causes severe skin burns and eye damage.

**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.