

# SAFETY DATA SHEET

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## SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifiers

Trade Name	Description	Unit	Code
Teepol	Scalebreaker Heavy Duty Descaler	2 x 5L	0507

### 1.2 Relevant identified uses of the substance/mixture and uses advised against

Concentrated cleaner / descaler for poolside surfaces.

### 1.3 Details of the supplier of the safety data sheet

Company	Teepol Products,		
Address	Harvey Waddington, Murray Road, Orpington, Kent BR5 3QY	Telephone	01689 877020
		Fax	01689 877027
		E-Mail	sales@teepol.co.uk

### 1.4 Emergency telephone number +44 (0)1689 877020 (09:00 - 16:00 Monday to Friday)

## SECTION 2: HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Eye. Irrit. 2, H319

Skin. Irrit. 2, H315

### 2.2 Label elements

Signal Word: *Hazard Pictograms:*

WARNING

Hazard Statements:



H315 Causes skin irritation.

H319 Causes serious eye irritation.

*Precautionary Statements:*

#### Disposal

P501 Dispose of contents/container to licensed waste disposal site.

#### Response

P337 + P313 If eye irritation persists: Get medical advice/attention.

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

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

#### Storage

P102 Keep out of reach of children.

#### **2.3 Other hazards**

EUH none                      None known

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### **3.2. Mixtures**

<u>Substance Name</u>	<u>REACH Reg. No.</u>	<u>CAS-No.</u>	<u>EC-No.</u>	<u>Amount [%]</u>
<b>Phosphoric Acid</b>	<b>015-011-00-6</b>	<b>7664-38-2</b>	<b>231-633-2</b>	<b>15-30</b>
<u>Hazard Class</u>		<u>Hazard Category</u>	<u>Hazard Statements</u>	
Skin corrosion/irritation		Skin. Corr. 1A B C	H314	
Serious eye damage/irritation		Eye. Irrit. 2	H319	

### **SECTION 4: FIRST AID MEASURES**

#### **4.1 Description of first aid measures**

##### **General Advice**

Remove contaminated clothing.

##### **After inhalation**

Ensure supply of fresh air and seek medical attention.

##### **After contact with skin**

Wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention.

##### **After contact with eyes**

Irrigate with water for 10 to 15 minutes until irritation subsides. If irritation persists seek medical attention.

##### **After ingestion:**

If conscious, give plenty of water to drink, do not induce vomiting, obtain medical attention immediately.

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

Eye and skin irritation

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

Rinse with clean water

### **SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Suitable extinguishing media:** This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

**5.1 Unsuitable extinguishing media:** Not applicable.

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

May produce oxides of carbon, nitrogen, sodium and sulphur.

#### **5.3 Advice fo Fire Fighters**

Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

### **SECTION 6: ACCIDENTAL RELEASE MEASU**

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

Use appropriate PPE. Avoid breathing vapours if any and ensure adequate ventilation. Cordon off area to other personnel.

#### **6.2 Environmental precautions**

Do not allow to enter surface water drains, soil/subsoil.

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

Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.

**6.4 Reference to Other Sections:** See Section 8 and 13 for more information on exposure and disposal.

### **SECTION 7: HANDLING and STORAGE**

### 7.1 Precautions for safe handling

Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.

### 7.2 Conditions for safe storage, including any incompatibilities

Store only in original containers out of reach of children. Storage temperature should be between 5°C and 30°C.

### 7.3 Specific end use(s)

Use only as directed on the container or label.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

(Orthophosphoric Acid) OES: TWA 8 hours - STEL 15 mins 2mg / m<sup>3</sup>

### 8.2 Exposure Controls

Do not eat, drink or smoke whilst working and wash hands after use.

**Exposure Controls - Eyes:** Avoid contact with eyes.

**Exposure Controls - Skin:** Wear vinyl, latex or nitrile gloves.

**Exposure Controls - Respiratory** None required.

## SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

**Appearance / Odour** Turbid viscous liquid (Method: QP22)

**pH (10% soln.)** 2 - 2.5 1% (Method: QP03)

**Melting/freezing point:** 0°C

**Flammable / Flash point** Not Flammable

**Relative density** 1.17 g/cm<sup>3</sup> @ 20°C (Method: QP07)

**Solubility:** Soluble/dispersible in water

**Viscosity:** Viscous @20°C (Method: QP04)

**Oxidising properties:** Not applicable.

**Explosive properties:** Not applicable.

**9.2 Other Information** No information available.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:** Converts at elevated temperatures (>150°C) to pyrophosphoric acid and eventually (>300°C) to metaphosphoric acid. Phosphorous pentoxide fumes may also be released.

**10.2 Chemical Stability:** No decomposition if stored and applied as directed.

**10.3 Hazardous Reactions:** Exothermic reaction with strong alkalis.

**10.6 Hazardous Decomposition Products** Oxides of phosphorus

**10.4 Conditions to Avoid:** No information available.

**10.5 Incompatible Materials:** None known

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Substance	Toxicity
Phosphoric Acid	Acid and some salts of suitable purity are permitted food additives. Due to acid nature, will cause burns to exposed tissue. LD50 1530mg/Kg Oral-rat. 2740mg/Kg skin-rabbit.

No information regarding interactions between the ingredients in this mixture is available, therefore, the information shown above is separately reported for each relevant ingredient used in the mixture even though it may be present below its concentration limit and represent no toxicity in the mixture as a whole.

## SECTION 12: ECOLOGICAL INFORMATION

No specific information is available for this mixture, therefore, the following information regarding the relevant substances used in this mixture is provided, even though they may be present below the concentration limit and represent minimal or no toxicity to the environment.

Substance	ECO Toxicity
Phosphoric Acid	ECOTOXICITY

Phosphoric Acid      The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.  
MOBILITY  
The product is miscible with water. May spread in water systems.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

#### **13.1 Waste treatment methods**

When disposing of surplus or waste product use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

### **SECTION 14: TRANSPORT INFORMATION**

**14.1 UN number:**                      N/A  
**14.2 Shipping Name:**                Teepol Scalebreaker Heavy Duty Descaler

**14.3 Transport hazard class:**      None

**14.4 Packing group:**                 N/A

**14.5 Environmental Hazards:**      None

#### **14.6 Special precautions for user:**

No information

#### **14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:**

No information

### **SECTION 15: REGULATORY INFORMATION**

#### **15.1 Safety, health and environment regulation/legislation specific to the substance or mixture**

EU Legislation

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Guidance

ECHA Guidance on the application of CLP criteria (Version 4: November 2013)

ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

#### **15.2 Chemical safety assessment**

No information

### **SECTION 16: OTHER INFORMATION**

Full text of H-Statements referred to under section 3

H319            Causes serious eye irritation.

H314            Causes severe skin burns and eye damage.

Contains >30% Orthophosphoric Acid

#### *Directions:*

Dilute up to 1 to 40 or use neat for heavy duty applications.

Further Information: The latest version of this data sheet may be obtained from the Harvey Waddington Web Site at: [www.teepol.co.uk](http://www.teepol.co.uk)

GLOSSARY:	PPE	Personal protective equipment.	N/A	Not applicable.	N/K	Not known	OES	Occupational exposure limit
	TWA	Time weighted average	W/V	Weight to volume				

The data contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

ANIMAL TESTING: Teepol Products (UK) do not test their finished products on animals.

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