

# Safety Data Sheet (SDS)

## Descaler

### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Trade Name	Description	Unit	Stock Code
e-hygiene	Descaler	2 x 5L	SCALE0748

**Company** e-hygiene systems ltd

**Address** Murray Road Orpington BR5 3QY

**Tel:** 01689 892522

**Fax:** 01689 877575

**E-Mail** info@e-hygienesystems.co.uk

### 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Substance(INCI)	CAS	EINECS	Risk	%
Phosphoric Acid	7664-38-2	231-633-2	C R34	15-30

### 3. HAZARD IDENTIFICATION

Irritating to eyes and skin. Large quantities could be hazardous to the aquatic environment.

### 4. FIRST AID MEASURES

Eyes - In case of contact with eyes irrigate with water for 10 to 15 minutes until irritation subsides. If irritation persists seek medical attention. Skin - Remove contaminated clothing and wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention. Ingestion - Give plenty of water to drink, do not induce vomiting, obtain medical attention immediately. Inhalation - (See EXPOSURE CONTROLS) if not shown then vapour inhalation not considered a hazard at ambient temperature. In the case of inhalation of spray remove affected person to fresh air and seek medical attention.

### 5. FIRE FIGHTING MEASURES

Extinguishing media: Material non-flammable

Special fire fighting procedures: Material non-flammable

Hazardous decomposition products: If this product is involved in a fire, toxic Hydrogen Chloride may be liberated. Use self-contained breathing equipment and use fire fighting equipment to suit the source of the fire.

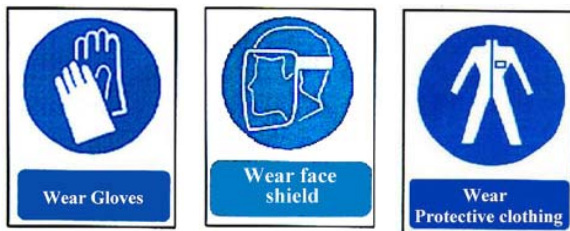
### 6. ACCIDENTAL RELEASE MEASURES

SPILLAGE: Warn personnel - Cleaning products are frequently oily and present a slip hazard. Contain spillage with sand or earth, avoid contact with skin or eyes, failure to contain a spillage must be reported to the authorities. DO NOT ALLOW PRODUCT TO ENTER SURFACE WATER DRAINS.

### 7. HANDLING AND STORAGE

Store away from food. Keep containers tightly closed and out of reach of children. Store at temperatures above 5°C and below 30°C. SHELF LIFE: Normal storage conditions - 1 year.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION



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

### 9. PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Clear liquid with characteristic odour.

**pH:** <1

**Flash point:** N/A

**Freezing Point:** 0°C

**Density:** 1.129

**Boiling Point:** 100°C

**Issue Date:** 25/02/08

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### 10. STABILITY REACTIVITY:

Stability: No stability concerns.

Conditions and materials to avoid: Avoid contact with strong oxidisers, chlorine or chlorine producers

Hazardous products of decomposition: Prolonged contact with some alloys may produce flammable hydrogen.

### 11. TOXICOLOGICAL INFORMATION

Health Hazards: Irritating to organic tissue

Inhalation: Inhalation of aerosol may cause irritation to respiratory system

Ingestion: May cause severe irritation to mouth and digestive tract

Eye contact: May cause severe irritations if not washed out with water immediately

Skin contact: Irritating to skin if not washed off with water.

### 12. ECOLOGICAL INFORMATION

Product biodegradable. Do not release into surface waters.

The surfactants used in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 13. DISPOSAL CONSIDERATIONS

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.

### 14. TRANSPORT INFORMATION

None

Packing Group None

### 15. REGULATORY INFORMATION:

IRRITANT Xi; R36/38



(36/38) Irritating to eyes and skin.

(2) Keep out of reach of children, (24/25) Avoid contact with skin and eyes, (26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, (28) After contact with skin, wash immediately with plenty of water, (37/39) Wear suitable gloves and eye/face protection, (62) If swallowed do not induce vomiting, seek medical advice immediately and show this label.

NOTE: This data sheet does not constitute a user's assessment of workplace risk as required by HSW act, COSHH, management of health and safety at work regulations, or other health and safety legislation.

Actual label may not be as above if product was supplied some time previously or labelling is in transition period.

Applicable Regulation: Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3

### 16. OTHER INFORMATION

*Product uses:*

For descaling kettles, urns & dishwashers.

*Directions:*

Dilute 1 - 5 to 1 - 20 (depending on level of scale) with water and soak scale deposits for as long as necessary to remove. Rinse and boil out kettles and urns before use.

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Unless otherwise stated all percentages are w/w

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
	w/w	Weight to weight

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.

PLEASE ENSURE THAT IT IS PASSED TO THE APPROPRIATE PERSON(S) IN YOUR COMPANY, WHO ARE CAPABLE OF ACTING ON THE INFORMATION.

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