



## SAFETY DATA SHEET

SCALGON

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Issued: 13/03/09

Revision No: 4

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

**Product name:** SCALGON

**Use of substance / preparation:** Catering descaler, stainless steel safe.

**Company name:** Unicorn Chemicals Ltd

Unicorn House

Mowbray Drive

Blackpool

Lancashire

FY3 7UN

Tel: 01253 396101

Fax: 01253 302895

Email: enquiries@unicornchemicals.com

### 2. HAZARDS IDENTIFICATION

**Main hazards:** Irritating to eyes and skin.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** FATTY ALCOHOL ETHOXYLATE 1-10%

[Xn] R22; [Xi] R36/38

- ORTHOPHOSPHORIC ACID 10-30%

EINECS: 231-633-2 CAS: 7664-38-2

[C] R34

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

### 4. FIRST AID MEASURES (ACTION)

**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:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. 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, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is

[cont...]

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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.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** The product is non-combustible; appropriate extinguishing media for surrounding area should be used in fire situations.

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

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

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using sufficient appropriate absorbent material.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

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

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** ORTHOPHOSPHORIC ACID...100%  
WEL (8 hr TWA): 1 mg/m<sup>3</sup> WEL (15 min STEL): 2 mg/m<sup>3</sup>

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

**Respiratory protection:** If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required.

**Hand protection:** Protective gloves.

**Eye protection:** Wear safety glasses or goggles if risk of splashing.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Colourless

**Odour:** Barely perceptible odour

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

Relative density: 1.13

pH: 1-2

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Materials to avoid:** Strong bases. Finely powdered metals.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** ORTHOPHOSPHORIC ACID...100%  
ORL RAT LD50 1530 mg/kg

**Routes of exposure:** May cause irritation of skin, eyes, nose and upper respiratory tract.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Soluble in water.

**Other adverse effects:** Should not be discharged directly in concentrated form to water courses.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** Contact Unicorn Chemicals Ltd to arrange disposal.

**Disposal of packaging:** Clean with water. Retain for recovery.

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

## 14. TRANSPORT INFORMATION

### ADR / RID

**UN no:** Not Classified.

### IMDG / IMO

**UN no:** Not Classified.

### IATA / ICAO

**UN no:** Not Classified.

## 15. REGULATORY INFORMATION

**Hazard symbols:** Irritant.



**Risk phrases:** R36/38: Irritating to eyes and skin.

**Haz. ingredients (label):** ORTHOPHOSPHORIC ACID...100%

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** This product belongs to Hazard Groups A and S under the HSE COSHH Essentials guidelines.  
(Publication HSG193).

Always use in accordance with manufacturer's directions.

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

**Risk phrases used in s.3:** R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

R34: Causes burns.

**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.