

# SAFETY DATA SHEET

LS46

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Revision No: 7

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

Product name: LS46 – Toilet Cleaner  
Company name: Beal UK Ltd,  
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Tingley (A650), Leeds  
West Yorkshire  
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United Kingdom  
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Email: [sales@beal.org.uk](mailto:sales@beal.org.uk)

## 2. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SULPHAMIC ACID 5-10%  
EINECS: 226-218-8 CAS: 5329-14-6  
[Xi] R36/38; [-] R52/53

- ORTHOPHOSPHORIC ACID 5-10%  
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 pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.  
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.  
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. Wash immediately with plenty of soap and water.  
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. If conscious, give half a litre of water to drink immediately. Consult a doctor.

[cont...]

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

## 5. FIRE-FIGHTING MEASURES

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

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. 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.

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

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

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

Suitable packaging: Must only be kept in original packaging.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: ORTHOPHOSPHORIC ACID  
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: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Blue

Odour: Characteristic odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Also soluble in: Most organic solvents.

Viscosity: Viscous

Flash point°C: >70  
pH: <2  
VOC g/l: 0.00%

#### 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.  
Conditions to avoid: Heat.  
Materials to avoid: Strong oxidising agents. Strong acids.  
Haz. decomp. products: In combustion emits toxic fumes.

#### 11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: SULPHAMIC ACID  
IPR RAT LDLO 100 mg/kg  
ORL MUS LD50 1312 mg/kg  
ORL RAT LD50 3160 mg/kg

- ORTHOPHOSPHORIC ACID  
ORL RAT LD50 1530 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

#### 12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.  
Persistence and degradability: Biodegradable.  
Bioaccumulative potential: No bioaccumulation potential.  
Other adverse effects: Negligible ecotoxicity.

#### 13. DISPOSAL CONSIDERATIONS

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

##### ADR / RID

UN no: 1805  
ADR Class: 8  
Packing group: III  
Classification code: C1  
Shipping name: PHOSPHORIC ACID, LIQUID (ORTHOPHOSPHORIC ACID...1)  
Labelling: 8  
Hazard ID no: 80



