

# SAFETY DATA SHEET

TURBO-K



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Revision No: 4

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

**Product name:** TURBO-K

**Use / description of product:** Germicidal pressure wash additive.

**Company name:** Uniconomy Ltd  
Unit 1 Carter Building  
Brookside  
Thornton Cleveleys  
Lancashire  
FY5 4ez  
Tel: 01253 854050

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** ALKYL AMIDO PROPYL DIMETHYLAMIDE BETAINE 1-10%  
CAS: 61789-40-0  
[Xi] R36
- POTASSIUM SILICATE SOLUTION 1-10%  
CAS: 1312-76-1  
[Xi] R38; [Xi] R41
  - SODIUM HYDROXIDE 1-10%  
EINECS: 215-185-5 CAS: 1310-73-2  
[C] R35
  - TRISODIUM NITRILOTRIACETATE 1-10%  
CAS: 5064-31-3  
[Xn] R22; [Xi] R41

## 3. HAZARDS IDENTIFICATION

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

## 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:** There may be irritation of the throat. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** Inhalation of high concentrations of spray mist may result in irritation of nose, throat and upper respiratory tract.

[cont...]

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## 4. FIRST AID MEASURES (ACTION)

- Skin contact:** Wash with soap and water. Seek medical advice if irritation develops.
- 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 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:** Wash the spillage site with large amounts of water.

## 7. HANDLING AND STORAGE

- Handling requirements:** Ensure there is sufficient ventilation of the area. If using in a pressure washer, avoid breathing in spray mist. 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:** SODIUM HYDROXIDE  
WEL (8 hr exposure limit): - WEL (15 min exposure limit): 2 mg/m<sup>3</sup>
- Engineering measures:** Ensure there is sufficient ventilation of the area. Sodium Hydroxide OEL: 2mg/m<sup>3</sup> (15 min STEL)
- Respiratory protection:** If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required.
- Hand protection:** Protective gloves.

[cont...]

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**Eye protection:** Safety goggles.

**Skin protection:** Protective overalls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Purple

**Odour:** Soapy

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

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Relative density:** 1.05

**pH:** 13-14

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

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

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** SODIUM HYDROXIDE  
IPR MUS LD50 40 mg/kg  
ORL RBT LDLO 500 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

**Shipping name:** NOT CLASSIFIED FOR TRANSPORT

### IMDG / IMO

### IATA / ICAO

[cont...]

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## 15. REGULATORY INFORMATION

**Hazard symbols:** Irritant.



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

**Safety phrases:** S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**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 EC Directive 2001/58/EC.

**Risk phrases used in s.2:** R36: Irritating to eyes.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R35: Causes severe burns.

R22: Harmful if swallowed.

**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.