

## MATERIAL SAFETY DATA SHEET

### STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Worksafe Vanuatu. This product becomes non-hazardous at concentrations below 25%.

### COMPANY DETAILS

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### IDENTIFICATION

Product Name: **TOILET KLEEN**  
Other Names: Hydrochloric acid solution  
Manufacturer's Product Code: 1TLK  
UN Number: 1789  
Dangerous Goods Class and Subsidiary Risk: 8  
Hazchem Code: 2R  
Poisons Schedule: 5  
Packaging Group: II  
Use: Toilet bowl and urinal cleaner and disinfectant – commercial grade

### Physical Description/Properties

Appearance: Strongly acidic, blue liquid with an aromatic odour  
Melting Point: Not applicable  
Vapour Pressure: Not available  
Specific Gravity: 1.05  
Flashpoint: Not flammable  
Flammability Limits: Not flammable  
Solubility in Water: Miscible in all proportions

### Other Properties

Corrosiveness: Corrosive to human tissue and most metals  
pH (undiluted): 0

### Ingredients:

All hazardous substances as defined by the NOHSC Code 1008 are listed by chemical name and CAS No. Other ingredients which are determined to be non-hazardous are listed by generic name or as "other ingredients determined not to be hazardous".

| Chemical name:               | CAS No:   | Proportion:   |
|------------------------------|-----------|---------------|
| Hydrochloric acid            | 7647-01-0 | Less than 10% |
| Quaternary ammonium compound | -         | Less than 10% |
| Water soluble solvent        | -         | Less than 10% |
| Sequestrants                 | -         | Less than 10% |
| Surfactants                  | -         | Less than 10% |
| Corrosion inhibitor          | -         | Less than 10% |
| Perfume                      | -         | Less than 1%  |
| Dye                          | -         | Less than 1%  |
| Water                        | 7732-18-5 | To 100%       |

### HEALTH HAZARD INFORMATION

#### Acute:

**Swallowed:** Corrosive. May cause burns to mouth, throat and gastrointestinal tract.

**Eye:** Corrosive.

**Skin:** Irritating. Corrosive on prolonged contact.

**Inhaled:** Corrosive mist.

#### Chronic:

Prolonged exposure to low concentration solutions may cause skin irritation. Should an unfavourable skin reaction occur, discontinue use until condition subsides. Applying a protective layer by regular use of a barrier cream minimizes such irritation.

#### FIRST AID

**Swallowed:** Contact a Doctor or Poisons Information Centre. Do NOT induce vomiting. Give a glass of water. Repeat if vomiting occurs. If the patient is not fully conscious do not give anything by mouth.

**Eye:** If contacted in the eyes or on the face, remove contact lenses if worn. Hold eyes open and flood with water for at least 15 minutes. Get medical attention.

**Skin:** Remove contaminated clothing and wash skin thoroughly with water.

**Inhaled:** Leave contaminated area.

**FIRST AID FACILITIES:** Eye wash. Fresh water.

**ADVICE TO DOCTOR:** Acidic and irritating but does not normally cause burns.

### PRECAUTIONS FOR USE

**Exposure Standards:** TLV peak limitation for hydrochloric acid is 5 ppm.

TLV for the water soluble solvent is 1000 ppm.

Oral LD50 (rat) >5000 mg/kg.

**Engineering Controls:** When used according to directions, vapour concentrations are normally below the TLV and there is no special ventilation requirement.

**Personal Protection:** Keep out of the eyes and mouth. Avoid contact of undiluted product with the skin.

**Flammability:** Not flammable.

### SAFE HANDLING INFORMATION

**Storage and Transport:** Dangerous Goods Class 8 – Must be stored and transported in accordance with State or Territory dangerous goods regulations.

**Spills and Disposal:** Flush to sewer with water. Prevent by any means available, spillage from entering storm-water drains or water course. Absorb on vermiculite or similar absorbing material and collect in drums. Residues may be flushed away with water.

**Fire/Explosion Hazard:** Use water fog, foam or dry agent. Wear full body protective clothing with breathing apparatus and protective gloves.

### OTHER INFORMATION

The Threshold Limit Value-Peak Limitation (TLV-Peak Limitation) is the ceiling concentration which should not be exceeded.

This MSDS is valid for five years from date of issue but may be withdrawn and revised at any time prior to that date. Readers of the document should contact Pacific Suppliers to ensure they are using the latest issue.

**CONTACT POINT:** Pacific Suppliers (678) 25082

