

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION:

### Kemsol ULTRA-CONCENTRATE K5 TOILET BOWL

A highly concentrated liquid cleaner for automatic dilution.

#### CHEMICAL SOLUTIONS LTD

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After Hours: National Poisons & Hazardous Chemical Information Centre: 0800-764-766 (0800-POISON)

## 2. HAZARD IDENTIFICATION:

This material is hazardous according to the criteria of the Health & Safety at work (Hazardous substances) Regulations 2017.  
This material is hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.

6.1E (May be harmful if swallowed or skin contact occurs)  
6.3A (Causes skin irritation)  
8.3A (Causes serious eye damage)  
9.1D (May be harmful to aquatic life)

Cleaning Products Subsidiary Hazard Group Standard:

HSR No: 00002530.

## 3. COMPOSITION & INFORMATION ON INGREDIENTS:

Citric Acid (CAS# 77-92-9)	100 – 250 g per litre
Proprietary blend of nonionic surfactants	10 – 20 %
Colouring	< 2 %
Water	> 50 %

## 4. FIRST AID MEASURES:

Contact with eyes:	Rinse eyes with running water holding back eyelids for 5 minutes. If irritation persists seek medical advice.
Contact with skin:	Wash affected area with copious volumes of water. If clothing is contaminated, remove and wash the affected skin area. If irritation or swelling occurs, seek medical advice.
After inhalation:	A non-volatile compound in normal use. But if subject to vapourisation remove the patient from exposure to a restful location and seek medical advice if symptoms persist. If clothing is contaminated, remove and wash before reuse.
After ingestion:	Do Not Induce Vomiting. Administer 2 glasses of water or milk and seek medical advice if discomfort persists.
Advice to Doctor:	Treat the patient for exposure to material with mild toxic effects. Have this SDS or a product label on hand.

## 5. FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.  
Drums subject to the heat of a prolonged fire may explode or erupt scattering contents with possibility of enhancing combustion. Where possible remove drums and containers from the path of a fire, or cool with water spray.  
Firefighters may use water spray, jet, fog, foam, CO<sub>2</sub>, or dry chemical powder to extinguish a fire in the vicinity.

## 6. ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface. Signage preventing foot traffic should be erected where appropriate.  
Minor spills (less than 100 litres) should be contained from drainage, diluted with water, neutralised where appropriate, and removed with mops, or absorbed with Mineral Sponge, rags, paper, sand, or soil. It may be possible to drain small spills to town wastewater services where permitted.  
Large spills (drums and IBCs) should be contained from local drainage with any suitable bund or barrier. Clean up with absorbent material such as Mineral Sponge, paper, rags, sand or soil. Where a liquid suction cleaning machine is available, it should be used only after neutralising the spill product.

## 7. HANDLING AND STORAGE:

Store containers where they can be kept cool and dry and away from heat sources. Liquid products in drums and carboys must have secure closures which fit.  
Handle to prevent damage to containers. Should packaging be damaged, repack into clean and dry containers of the same type and mark the product name carefully on an easily seen location on the container.  
After use, always replace lids and caps and return to safe storage as soon as possible.  
There are no specific transport restraints for this material in secure containers.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

The information contained in this Safety Data Sheet is provided in good faith and is believed to be correct as at the date hereof. However, it is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. The Proprietor makes no representation as to the accuracy or comprehensiveness of the information. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of the use of the product are therefore assumed by the user and we expressly disclaim all warranties of any kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Appropriate warnings and safe handling procedures should be provided to handlers and users.

Exposure controls:	No data is available for the product
Eye protection:	Safety glasses.
Protective clothing:	Chemically impregnable gloves, protective work clothes (a coat, apron or overalls).
Respiratory protection:	Not required for the regular use of this product. If the liquid is being vaporised, a face shield and/or respirator may be required. These operations should be carried out by trained personnel only.
Ventilation:	Where spraying or vaporising is being carried out, ensure there is ready access to eyewash units and safety shower. Also ensure adequate ventilation is provided in the work space.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear green coloured slightly thick fluid
Odour	Fruit fragrance
pH	1.5 ± 0.5
Flash Point	Not determined
Ignition Point	Not known
Specific Gravity	1.34 ± 0.01
Refractive Index	1.394 ± 0.005      37 Bx
Viscosity	10 % soln c. 100 mPas
Relative Foam	Low
Solubility in water	Completely in all proportions

## 10. STABILITY AND REACTIVITY:

The product is considered stable under normal storage conditions.  
 Avoid contamination with oxidising substances.  
 Hazardous polymerisation will not occur.  
 Combustion of this product will release oxides of carbon and nitrogen.

## 11. TOXICOLOGICAL INFORMATION:

No data is available for the product.

## 12. ECOLOGICAL INFORMATION:

No data is available for the product. Citric Acid has an LC50 (Algae) 80 mg/litre for 72 hr.

## 13. DISPOSAL CONSIDERATIONS:

Minor spilled liquids (after neutralisation) may be disposed of through town wastewater systems where these are authorised for industrial use.  
 Major spills, which have been collected by machine or on absorbants, should be disposed of by waste disposal experts in accordance with local regulations.  
 Used containers should be rinsed, not recycled, but disposed of in landfill or incinerated.

## 14. TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005

This product is not a Dangerous Goods for Land Transport in NZ

## 15. NZ REGULATORY INFORMATION:

This material is hazardous according to the criteria of the Health & Safety at work (Hazardous substances) Regulations 2017.

This material is hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.

Cleaning Products Subsidiary Hazard Group Standard: HSR No: 00002530.

HSNO Act Controls Regulations 2001 for the product:

Wear gloves and eye safety glasses handling this product

Use good well defined measures to make dilutions

Use buckets to dilute this product before use

Keep unused product in secure containers to prevent mistaken use

Label or mark containers used to hold this product

## 16. OTHER INFORMATION:

Formulation reference and version number: R9 – 142 Version 2.

This SDS was prepared from data available on 05 July 2018.

This SDS was printed on 5 July 2018.

This SDS will be reviewed no later than 31 August 2021.

**END OF THIS SAFETY DATA SHEET**