

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION:

### Kemsol CITRUS KLEEN

A concentrated multipurpose cleaner & sanitiser.  
MPI Approved C32 (all animal product except dairy)

### CHEMICAL SOLUTIONS LTD

1 Freight Place  
Airport Oaks  
Auckland 2022  
New Zealand.

PO Box 107-105, Auckland Airport 2150, Auckland, New Zealand.

Phone: (64-9) 255-5609  
Fax: (64-9) 255-5610  
E-mail: [sales@kemsol.co.nz](mailto:sales@kemsol.co.nz)  
Website: [www.kemsol.co.nz](http://www.kemsol.co.nz)

EMERGENCY CONTACT: Phone (64-9) 255-5609 8 am to 5 pm Mon to Fri  
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.

3.1D Combustible liquid.  
6.3A Causes skin irritation.  
6.4A Causes eye irritation.  
9.1C Harmful to aquatic life with long lasting effects.

Cleaning Products Combustible Group Standard:

HSR No: 00002525.

## 3. COMPOSITION & INFORMATION ON INGREDIENTS:

Benzalkonium chloride (CAS# 8001-54-5)	10 g per litre.
Surfactants	2 – 10 %
Solvents	10 – 20 %
Builders	2 – 10 %
Water and colouring	> 50 %

## 4. FIRST AID MEASURES:

Contact with eyes: Rinse eyes with running water holding back eyelids for 15 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: If the patient is subject to vapourisation, remove from exposure and seek medical advice.  
After ingestion: Do Not Induce Vomiting. Administer 2 glasses of water or milk, and if discomfort persists seek medical advice.  
Advice to Doctor: Treat patient for acute exposure to materials with toxic effects. Have this SDS or a product label on hand.

## 5. FIRE FIGHTING MEASURES:

This product is combustible. It will not ignite a fire but will burn if exposed to a fire source. Avoid electrical ignition sources.  
Containers subject to heat from a fire may explode scattering burning contents. Where possible remove containers from the path of the fire.  
Otherwise cool with water spray to avoid heating.  
Firefighters wear SCBA and chemical resistant suits.  
Foam, CO<sub>2</sub>, or chemical dry powder to extinguish a local fire. Water spray on large fires only.

## 6. ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface. Shut off all possible sources of electrical ignition.  
Contain minor (less than 100 litres) from local drainage with any suitable bund or barrier. Where the product is water soluble, dilute with water, neutralise if necessary, and then clean up with mops or any suitable absorbant inert material such as Mineral Sponge, paper, rags, sand, or soil. Pack absorbed waste material into open-top drums, which can be closed, for waste disposal.  
Large spills from drums and IBCs should be contained from drains and diluted with water where possible. Alert the local Fire Brigade.  
Collect absorbed material in drums which can be closed and sent to landfill. If material does enter drains, alert the local drainage authorities.

## 7. HANDLING AND STORAGE:

Store containers, with secure closures, in sites where they can be kept cool and away from heat and ignition sources.  
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 the container.  
Always replace lids and caps after using the product. Return all packages to safe storage as soon as possible after use.

**8. EXPOSURE CONTROLS & PERSONAL PROTECTION:**

Exposure controls: No data is available for the product. No WES is available for Benzalkonium chloride.  
 Eye protection: Safety glasses.  
 Protective clothing: Chemically impregnable gloves, work shoes, protective work clothes (an apron or overalls).  
 Respiratory protection: Not required for the regular use of this product.  
 If the liquid is being sprayed or vaporised, a face shield and/or respirator must be worn. 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 adequate ventilation is provided in the work space.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	Clear green liquid	
<b>Odour</b>	Citrus	
<b>pH</b>	13.0 ± 0.5	
<b>Flash Point</b>	65° C	
<b>Ignition Point</b>	> 500° C	
<b>Specific Gravity</b>	1.04 ± 0.01	
<b>Refractive Index</b>	1.365 ± 0.005	21 Bx
<b>Viscosity</b>	Not applicable	
<b>Relative Foam</b>	Medium	
<b>Solubility in water</b>	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 will release mostly oxides of carbon and nitrogen.

**11. TOXICOLOGICAL INFORMATION:**

No data is available the product.  
 For Benzalkonium chloride: LD50 Rat 1420 mg/kg LD50 mouse 150 mg/kg

**12. ECOLOGICAL INFORMATION:**

No data is available the product.  
 For Benzalkonium chloride: LC50 fathead minnow 0.28 mg/l 96 hr exposure. EC50 daphnia magna 0.006 mg/l 48 hr exposure.

**13. DISPOSAL CONSIDERATIONS:**

Dispose of in accordance with local regulations by recognised waste disposal experts. Incineration is the preferred method.  
 Spilled liquids must be absorbed by neutral materials and packed in containers which can be sealed for removal.  
 Large spills will require suctioning into suitable tanks, and if not recoverable, disposed of through recognised waste disposal experts.  
 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 Not a dangerous good for Land Transport in New Zealand

**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 Combustible Products Group Standard: HSR No: 00002525.

HSNO Act Controls Regulations 2001 for the product: Limit and monitor exposure during the use of the product Wear suitable protective clothing while being used Limit exposure to the environment	Make use of suitable equipment for handling the product Do not expose product to any form of ignition source Dispose of waste or spilt material only through a recognised expert company
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**16. OTHER INFORMATION:**

Formulation reference and version number: R6 – 182 Version 4.  
 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**