

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Kemsol U/C K8 NEUTRAL ANTIBACTERIAL CLEANER

A perfumed sanitiser & cleaner concentrate.

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.

6.1D Harmful if swallowed.

6.3A Causes skin irritation.

6.4A Causes eye irritation.

6.5A May cause allergy or asthma symptoms or breathing difficulties if inhaled.

6.5B May cause an allergic skin reaction.

6.9B May cause damage to organs through prolonged or repeated exposure

9.1B Toxic to aquatic life with long lasting effects.

9.3C Harmful to terrestrial vertebrates.

Cleaning Products Subsidiary Hazards Group Standard: HSR No: 002530

3. COMPOSITION & INFORMATION ON INGREDIENTS:

Benzalkonium chloride (CAS 8001-54-5)	13 g per litre.
Didecyltrimethylammonium chloride (CAS 7173-51-5)	19 g per litre
Non-ionic surfactants	20 - 50 %
Builders	2 - 10 %
Perfume	2 - 10 %
Colouring	< 2%
Water	> 50 %

4. FIRST AID MEASURES:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

IF ON SKIN: Wash with plenty of soap and water. Remove immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

MEDICAL ASSISTANCE: If discomfort persists call your nearest Medical Centre or the NZ National Poisons Centre 0800-764-766 for advice. Have label or Safety Data Sheet 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, CO₂, 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 by local authorities.

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:

Precautions for Safe Handling

Keep out of reach of children. Read label before use. Do not breathe spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

Wear protective gloves, protective clothing & eye protection. In case of inadequate ventilation wear respiratory protection.

Precautions for Safe Storage

Store containers in sites 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:

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, 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	Dark purple coloured liquid.
Odour	Perfumed
pH	9
Flash Point	Not applicable
Ignition Point	Not applicable
Specific Gravity	1.07
Refractive Index	34 %Bx
Viscosity	Not applicable
Relative Foam	Medium
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.
 For Benzalkonium chloride: LD50 Rat 1420 mg/kg LD50 mouse 150 mg/kg
 For Didecyltrimethylammonium chloride LD50 Rat 84 mg/kg

12. ECOLOGICAL INFORMATION:

No data is available for 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.
 For Didecyltrimethylammonium chloride: Pimephales promelas (Fathead minnow) 96 hr LC50 330 ug/L (= 0.33 mg/L)

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, before recycling.

14. TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005 Classified as not dangerous 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 Subsidiary Hazards Group Standard: HSR No: 002530.
 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: Lab S5-183 Version 3
 This SDS was prepared from data available on 05 July 2018.
 This SDS was printed on 3 December 2018.
 This SDS will be reviewed no later than 31 August 2021.

END OF THIS SAFETY DATA SHEET