

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Kemsol QUAT 2000

Food Surface sanitiser. MPI Approved C43 (all animal product except dairy)

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 not hazardous according to the criteria of the Health & Safety at work (Hazardous substances) Regulations 2017.
This material is not hazardous according to the EPA Minimum Degrees of Hazard and Classification Notices 2017.

This product is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Approved under Cleaning Products Subsidiary Group Standard: HSR No. 002530
Signal Word: DANGER

HSNO Hazard Classification & Hazard Statements

6.1E May be harmful if swallowed. 6.5A May cause allergy or asthma symptoms or breathing difficulties if inhaled.
6.3A Causes skin irritation. 6.9B May cause damage to skin through prolonged or repeated exposure
6.4A Causes eye irritation. 9.1B Toxic to aquatic life with long lasting effects.
6.5B May cause an allergic skin reaction.

Precautionary Statements:

Keep out of reach of children. Read label before use. Do not breathe spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing and eye protection. In case of inadequate ventilation wear respiratory protection.

3. COMPOSITION & INFORMATION ON INGREDIENTS:

Benzalkonium chloride (CAS# 8001-54-5)	2%
Water & Dye	to 100 %

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 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/physician.
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: Get medical advice.
MEDICAL ASSISTANCE: If discomfort persists call your nearest Medical Centre or the NZ National Poisons Centre 0800-764-766 for advice. Have this label or Safety Data Sheet on hand.

5. FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.
Containers subject to the heat of a prolonged fire may explode or erupt scattering contents. Where possible remove drums and containers from the path of a fire, or cool with water spray.
Firefighters must wear SCBA and chemical resistant suits.
Firefighters may use fog (preferred) or water spray (not jet), 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 (up to 20 litres) should be diluted with water, neutralised where possible and removed with mops, absorbed with Mineral Sponge, dry rags, paper, sand, or soil. It may be possible to drain small neutralised spills to wastewater where this is permitted.
Large spills (drums and IBC's) should be contained from local drainage with any suitable bund or barrier. If possible dilute the spill without increasing the possibility of non-containment, and clean up with absorbent material such as Mineral Sponge, dry earth, sand, or soil. Where a liquid suction cleaning machine is available, it should be used only after neutralising the spill.

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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing and eye protection. In case of inadequate ventilation wear respiratory 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.

Precautions for Safe Storage:

Store in original container. 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 ensure adequate ventilation is provided in the work space.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear red liquid
Odour	None
pH	7.5
Flash Point	Not applicable
Ignition Point	Not applicable
Specific Gravity	1.00
Refractive Index	2.5 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

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.

13. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations by recognised waste disposal experts. Landfill or incineration is the preferred method.
 Spilled liquids may be neutralised, diluted, and disposed of through town wastewater systems where these are authorised for industrial use.
 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 Classified as a Dangerous Goods 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.

HSR No:
 Cleaning Products Subsidiary Group Standard HSR No. 2530.

HSNO Act Controls Regulations 2001 for the product:

Use buckets to dilute this product before use

Label or mark containers used to hold this product

Use good well defined measures to make dilutions

Keep unused product in secure containers to prevent mistaken use

16. HSR NO:

Formulation reference and version number: Lab S4-026
 This SDS was prepared from data available on 6 Jan 2015
 This SDS was printed on 5 July 2018.
 This SDS will be reviewed no later than 6 Jan 2020.

END OF THIS SAFETY DATA SHEET