

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Kemsol BAC-STOP

A quaternary disinfectant & sanitiser for universal use.
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 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.

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| 6.1D Harmful if swallowed or skin contact occurs. | 8.2C Causes skin burn. |
| 6.5A May cause allergy or asthma symptoms or breathing difficulties if inhaled | 8.3A Causes serious eye damage |
| 6.5B May cause an allergic skin reaction. | 9.1B Toxic to aquatic life with long lasting effects. |
| 6.9B May cause damage to body organs. | 9.3C Harmful to terrestrial vertebrates. |

Cleaning Products Corrosive Group Standard:

HSR No: 00002526.

3. COMPOSITION & INFORMATION ON INGREDIENTS:

Benzalkonium chloride (CAS# 8001-54-5)	100 g per litre
Mineral buffer	< 2 %
Water	to 100 %

4. FIRST AID MEASURES:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.
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 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
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.
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 absorbant 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. 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 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 uncoloured liquid
Odour	None
pH	10.5
Flash Point	Not applicable
Ignition Point	Not applicable
Specific Gravity	1.00
Refractive Index	13.5 %Brix
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	Classified as a Dangerous Goods for Land Transport in New Zealand.
UN Number:	1903
Dangerous Goods Class:	8
Proper shipping name:	Disinfectant liquid corrosive NOS (contains benzalkonium chloride)
Hazchem Group:	2X
Packing Group:	III

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 Corrosive Group Standard: HSR No: 2526.
 HSNO Act Controls Regulations 2001 for the product:
 Limit and monitor exposure during the use of the product Make use of suitable equipment for handling the product
 Wear suitable protective clothing while being used
 Limit exposure to the environment Dispose of waste or spilt material only through a recognised expert company

HS (Harmonised System) Tariff Code: 3808.50.49.29 (Disinfectants Other)
 NZFSA Approved C43 (all animal product except dairy).

16. OTHER INFORMATION:

Formulation reference and version number: Lab S4-163 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