

Microban**SAFETY DATA SHEET****1. PRODUCT AND COMPANY IDENTIFICATION:**

Kemsol MICROBAN Sanitising Hand Gel
MPI Approved C54 (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:

Classified as a dangerous good according to NZS 5433:2012 -Transport of Dangerous Goods on Land.

This product is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Approved under Cosmetic Product Group Standard. HSR002552
Signal Word: DANGER

HSNO Hazard Classification & Hazard Statements	
3.1B Highly flammable liquid and vapour	9.1D May be harmful to aquatic life
6.4A Causes eye irritation	

Precautionary Statements

Read label before use. Keep away from sparks, open flames and hot surfaces. No smoking.
Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment where appropriate
Use only non-sparking tools. Take precautionary measures against static discharge.
Avoid release to the environment. Wear eye protection when refilling dispensers.

3. COMPOSITION & INFORMATION ON INGREDIENTS:

Ethanol (as100%) (CAS No. 64-17-5)	71 % w/w
Thickener	< 2 % w/w
Other non-hazardous ingredient	< 2 % w/w
Water	To 100 % w/w

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/attention.

IF ON SKIN OR HAIR: Splashes of significant quantities of this product on the skin or hair may be flammable, so immediately remove all contaminated clothing and rinse splashes from skin or hair with water. Note: This first aid instruction does not apply to the proper use of this sanitiser, when applied according to directions.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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 will form flammable mixtures with air when vapourised. Isolate, or avoid, ignition sources (electrical and fire). 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. Water, foam, CO₂, 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, or isolate, all possible sources of ignition. Do not allow any spills, original or diluted, to enter wastewater drains. If material does enter, alert the local drainage authorities.

Contain minor (less than 100 litres) from local drainage with any suitable bund or barrier. Where possible dilute with water and contain the resulting solution. Then clean up with mops or any suitable absorbent inert material such as Mineral Sponge, paper, rags, sand or soil. Pack absorbed waste material into drums, which can be closed, for waste disposal.

Large spills from drums should be contained from drains and diluted with water where possible. Alert the local Fire Brigade. Collect absorbed material in open-top drums which can be closed and sent to landfill.

7. HANDLING AND STORAGE:**Precautions for Safe Handling**

Read label before use. Keep away from sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment where appropriate. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Wear eye protection when refilling dispensers.

Precautions for Safe Storage

Store drums and carboys with secure closures . Store in a well-ventilated place. Keep cool. Keep away from heat and ignition sources. Storage in HSNO defined Hazardous Substance Locations and Transit Depots is required for Class 3.1B products where greater than 100 litres is stored in 20 litre carboys and 200 litre drums, and greater than 250 litres is stored in 5 litre jerries.

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. Ethanol: WES TWA 1000 ppm..

Eye protection: Wear safety glasses when decanting large quantities.

Protective clothing: Normal use does not require any special clothing protection.

Respiratory protection: No special requirement.

Ventilation: No special requirement.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Transparent clear non-coloured liquid
Odour	Not perfumed. Characteristic of ethanol
pH	7.0
Flash Point	20° C
Ignition Point	> 360° C
Specific Gravity	0.87
Refractive Index	21% Bx
Viscosity	5000 mPa.s
Foam	None
Solubility in water	Completely in all proportions

10. STABILITY AND REACTIVITY:

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

11. TOXICOLOGICAL INFORMATION:

Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Large amounts may cause some central nervous system effects. Possible symptoms include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, loss of consciousness. Other effects may include nausea and vomiting.

Eye Contact: Irritates the eyes.

Inhalation: May irritate the respiratory tract. May result in nausea, headache and vomiting.

12. ECOLOGICAL INFORMATION:

Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations by recognised waste disposal experts. Incineration is the preferred method. Wash empty plastic containers before recycling.

14. TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005	Classified as Dangerous Goods for Land Transport in New Zealand.
UN Number:	1170
Dangerous Goods Class:	3
Proper Shipping Name:	Ethanol Solution (Ethyl Alcohol Solution)
Hazchem Group:	2YE
Packing Group:	II

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.

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HSR No:

Cosmetic Products Group Standard HSR002552.

HSNO Act Controls Regulations 2001 for the product:

Label or mark containers used to hold this product	Do not expose product to any form of ignition source
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16. HSR NO: :

Formulation reference and version number: Lab S7-033

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