

## AC-162 DISINFECTANT

Lemon Zest Disinfectant Concentrate

AC-162 is a concentrated surface disinfectant for cleaning and disinfecting hard surfaces. AC-162 kills and removes bacteria. Suitable for use in commercial and domestic environments. Kills 99.9% germs and bacteria on hard surfaces.

### PRODUCT INFORMATION

AC-162 is a quaternary ammonium compound disinfectant cleaner, effective against a wide range of microorganisms including bacteria. The disinfectant has masking fragrance which provides a lingering perfume to aid in the deodorizing of odours. Contains a powerful biodegradable surfactant capable of removing fats, oils, greases and general dirt and grime. Do not mix with other chemicals or cleaning agents. Refer to dilution instructions for the Ready-to-use version of this solution. Refer to the testing and efficacy guide on page 2 of this PDS for reference of product efficacy as a commercial grade disinfectant.

### DIRECTIONS FOR USE

**Benches:** Dilute 1 part of Disinfectant to 15 parts of clean water. Using a clean lint free cloth, soak with solution, wring and wipe surface to be treated. Ensure a maximum contact of solution on surface to ensure performance.

**Floors and Tiles:** Dilute 1 part of Disinfectant to 30 parts of clean, warm/hot water. Mop over surfaces that require cleaning. Refresh mop regular. Ensure a maximum contact of solution on surface to ensure performance.

### TYPICAL PROPERTIES

<b>Appearance:</b>	Liquid	<b>NON DG</b>
<b>Density at 25°C:</b>	1.0-1.02	
<b>Colour:</b>	Yellow	
<b>pH:</b>	9.0 -10.0	
<b>Water Solubility</b>	Miscible in all proportions	
<b>Boiling Point</b>	App 100°C	
<b>Flash point:</b>	Not flammable	
<b>Volatile Organic Compounds</b>	0% w/w	

**Poisons Schedule** Not scheduled

**Dangerous Goods** Not classified as Dangerous Goods

**GHS Classification** Not hazardous

**A/AC162RTU/(750)** | 750ml Trigger Bottle (Carton of 6)

**A/AC162/5** | 5L Plastic Bottle (Carton of 4)

**A/AC162/20** | 20L Plastic Drum

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### TESTING AND EFFICACY

**AC-162 Commercial and Household Disinfectant Concentrate has been independently tested and confirmed to be suitable for use as a Commercial and Household Disinfectant.**

NOTE: APPROVAL GUIDELINE – TGA: Hospital grade or household/ commercial grade disinfectant liquids, sprays and wipes that do not make specific claims and that are:

- Not intended for internal use or on skin
- Not intended for use on a medical device
- Are intended for use on inanimate objects such as hard and soft surfaces such as floors and bench tops

The AC-162 Commercial and Household Disinfectant is not required to be included in the Australian Register of Therapeutic Goods although they still meet all regulatory requirements as set out in the relevant legislation and guidance. The claim made is exempt from the TGA Testing Pathway and requires efficacy testing only.

*Therapeutic Goods (Standard for Disinfectants and Sanitary Products) (TGO 104) 2019* (the Order) is designed to support the quality, safety and efficacy of therapeutic goods that are disinfectants, sterilants and sanitary fluids and powders.

AC-162 Disinfectant has been tested and passed at the dilution recommended by the Austech Chemicals on the product label. The test consists of the following steps:

1. Challenging the diluted disinfectant with bacterial inoculum;
2. Withdrawing a sample after a given time and culturing the sample in a suitable recovery medium;
3. The sample referred to in (2) is to be considered to pass or fail the test according to the extent of growth shown in the two cultures sampled.

### Summary of Results

MICROORGANISM CHALLENGE – TGA OPTION C			
Type	Test Option / Number of Challenges	Pass / Fail	Inoculum
S. aureus	C / 1	Pass	$2 \times 10^8$ - $2 \times 10^9$
E. coli	C / 1	Pass	$2 \times 10^8$ - $2 \times 10^9$

*Active Ingredient: Benzalkonium Chloride*

Top Brand Household / Commercial Disinfectant	1,000 parts per million
<b>Austech AC-162 Ready to Use (1:15 Dilution)</b>	<b>1,000 parts per million</b>
Porous Area Minimum Suggested	800 parts per million
Singapore Hospitals Minimum Requirement	500 parts per million
Minimum Disinfectant Performance	200 parts per million