



## FACT SHEET No. 76

# HAND SANITISER COMPARISON

### (APCO-SANIT versus Zoono's GermFree24)

#### Traditional Hand Sanitiser – APCO-SANIT:

A traditional **hand sanitiser** or **hand antiseptic** is a supplement to hand washing with soap and water and, when applied to the hands it kills pathogens by either dehydration or by poisoning. The common ingredient in these hand sanitisers is alcohol – isopropanol / ethanol / methanol.

Whilst alcohol based hand sanitisers are more effective at killing germs than using soaps only, they have the disadvantages of having only short term efficacy and of drying out (chapping) the hands.

The reason these products have short duration efficacy is simple... once applied, the alcohol content in Apco-Sanit quickly evaporates away and there is no residual effect – in other words, there is no ability to kill any fresh bacterial landing on the hands. And the instant that the hands come into contact with anything (a mobile phone, pen, car keys, utensils, coffee cup, laptop keyboard, hand shake etc), then fresh contamination occurs.

So for long term protection using these traditional products, a second application is required about 10 minutes after it was first applied and yet another application 10 minutes after that (and so on throughout the day). In addition, high alcohol hand sanitisers are classified as 'Dangerous Goods' as they are highly flammable.

#### Zoono's GermFree24 Hand Sanitiser

By contrast, the active ingredient in **Zoono GermFree24** hand sanitiser actually bonds to the skin and only comes off as the skin naturally exfoliates (the time this takes can vary due to age, skin type etc, but is usually around 24-hours).

Indeed, the **GermFree24** has been proven to remain effective for a full 24-hours (hence it's name **GermFree24**) – with just one application! And during this 24-hour period, the hands can be washed using normal soaps and dried using a regular towel.

And best of all, it has been proven to have outstanding dermatological qualities – the world renown accredited Laboratory 'Dermatest' in Germany, tested **GermFree24** and declared that our technology has **NO** adverse effects on the skin. In addition to granting Certification status, they actually recommended **GermFree24** for use as a hand sanitiser.

The Zoono active is a water-based, food safe, environmentally friendly antibacterial product that, once dry, forms a covalent bond with the skin that does not diminish in strength, does not leach, does not enhance mutation and therefore does not promote the development of superbugs.

**GermFree24** Hand Sanitiser is safe to use around people, plants, food services and pets alike.

And one application of **GermFree24** provides maximum protection to the hands for a full 24-hours!

And the **GermFree24** formulation used for our valued customers contains **NO ALCOHOL!**

In fact, there is no other hand sanitiser quite like it!

# HOW DO THEY COMPARE?

## GermFree24

Proven Efficacy

One Application Lasts 24 Hours

Special Middle East Formulation

Contains **NO** Alcohol

Contains **NO** Alcohol

Safe To Store in The Home

Non Flammable

Easy to Ship / Handle

Dermatology Approved

Flashpoint 409°F

Enjoys NZ Food Safety Authority Approval



## Purell

Proven Efficacy

One Application Lasts ~10 minutes

Same Formulation Used Globally

Contains 62% Ethyl Alcohol

Contains <5% Isopropanol

Dangerous Goods Classification

Highly Flammable

Hazardous By Transport Regulations

Alcohol will chap hands and skin

Flashpoint (PMCC) 78.8°F (26°C)

Contains Poisons – Not Food Safe

