



A simple guide to the Fluid Science

**non-alcohol
hand sanitisers**

VS

**alcohol
hand sanitisers**

and how we boast the most

eco-friendly & safest

hand sanitisers on the market right now.





Why are our formulas eco-friendly?

Our formulas are completely alcohol free. The alcohol produced within alcohol hand sanitisers is a costly environmental process with multiple high temperature heating stages within the chemical refraction process, yielding a high CO₂ output. As alcohol sanitisers are the end product of a complex degradation process, they have a longer environmental persistence post use.

On the contrary...

By contrast, our products are eco-friendly due to their all natural formulation process, with active ingredients used as opposed to alcohol. Our active ingredients are naturally occurring - lactic acid is in many food sources including milk and dairy, additionally, cinnamaldehyde is both an essential oil and a flavouring. Both ingredients are fully biodegradable and have no aquatic toxicity which offers a greener alternative to conventional alcohol products.

Too long, didn't read?

Well, simply put, our sanitisers are...

Alcohol Free

Biodegradable

Kinder to the skin

and contain natural ingredients and essential oil

What are some of the common rebufs from customers in regards to **Alcohol Sanitisers?**

“Only 80% ethanol is effective at killing”

FALSE.

While we acknowledge that 80% ethanol is WHO recommended, it is not the only effective biocide / virucide.

Our Antiviral Hand Sanitiser solution is suitable for general use on the hands, to remove 99.99% of harmful viruses and bacteria.

Our hand sanitiser products are fully laboratory tested and passed the EN 14476 concluding it is effective to 99.99% vs Enveloped Viruses.

This is equal to the microbial killing rate of alcohol, but does not have the same limitations.

**KILLS
99.99%**
of viruses including
**ENVELOPED
VIRUSES**

“We should only use alcohol”

FALSE.

Alcohol hand sanitisers were never actually designed for the repeated use as currently seen, with many reports coming in of users suffering from sores, rashes, blisters and dry skin. In addition, cases of contact dermatitis have been brought against employers by employees issued with alcohol hand sanitisers.

For example, a major high street bank has banned the use of alcohol hand sanitisers after their staff complained of skin irritation and cuts from alcohol sanitiser use.

We offer a skin friendly solution through our products natural and eco-friendly ingredients.

Let's take a look at the **facts.**

alcohol



Causes skin irritation, with reported cases of burns and dermatitis



Flammable



Highly pollutant, the last step in a CO₂ - high temp chemical reaction



Dangerous Goods Transport notice incurs extra costs for you



Emergence of ethanol resistance by germs may occur



Ethanol cost has sky rocketed during the pandemic - low stocks



Alcohol bans in specific areas such as prisons and schools



Kinder to skin, contains an essential oil that gives a moisturised feel



Non Flammable



Naturally produced active ingredients - cinnamal & lactic acid



Cheaper transportation costs as no COSHH or DGN is required



Dual action virucidal formula preventing the chance of anti-microbial resistance



Naturally sourced ingredients, keeping supply costs down



Can be used universally even in controlled environments



Contact Us.

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