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I think though on the hands the hand sanitiser alcohol would be gone in about 30 seconds. There is a ratio as to how long the alcohol must remain on the skin to kill germs well and so 90% evaporates too fast to kill well thus, that level is not used. That 90% level is also hard on hands too, as it dries the hands too much because it take the water away with it when it evaporates.

So, rubbing alcohol is about 70% which is a fairly good ratio to kill well. Some sanitisers are less at 62%. Not sure where the cutoff percentage is for flammability though.

But, still to put sanitiser on then go directly to a barbeque or open flame then one must be careful I suppose based on this video.

So, now you know why rubbing alcohol is set at 70% alcohol and I understand now a lot of them are going to Ethanol (the drinkable version) instead of Isopropyl Alcohol.

No one is into biochem so I'll skip explaining the difference between Isopropyl and ethanol. For the Nerdy-nerd-nerds.

<https://www.differencebetween.com/difference-between-ethyl-alcohol-and-vs-isopropyl-alcohol/>

In the above link, read the chart at the end of the article on the consumption of each.

You're going to be tested now on the difference between primary, secondary and tertiary alcohols in the next class so study up. LOL

Dr. Ouellette