



Isopropyl Alcohol (IPA) Cleaning Guide





The Facts on Cleaning and Disinfecting with Alcohols

Because the sudden and desperate need to prevent the spread of COVID-19, there has been a lot of confusion on if and how alcohols can be used to disinfect and sterilize. While Chemtronics traditionally has specialized in alcohol products intended to clean electronics and other industrial applications, it seems natural to consider our broad line of isopropyl alcohol (IPA) for that type of surface treatment.

While that is reasonable, some caveats need to be explained. Chemtronics does not offer cleaners listed on EPA's List N: Disinfectants for Coronavirus (COVID-19). The following are common methods of surface treatment per CDC guidelines*, and how Chemtronics alcohol products can be expected to perform:

Cleaning

The first step for preventing the spread of COVID-19 is cleaning surfaces, which physically removes virus and other contaminants. This is similar to washing your hands with soap and water, and very effective when followed by a disinfecting process. Alcohol products, including pre-saturated wipes, are effective and efficient for hard surface cleaning, and should be considered as critical part of an effective workspace hygiene regimen.

Disinfecting

The second step is disinfecting. A disinfecting agent actually kills a virus. Alcohols are no longer specifically recommended by the CDC for disinfecting hard surfaces from SARS-CoV-2 (the virus that causes COVID-19). However, IPA has been shown to be effective on lipophilic viruses (e.g. herpes, vaccinia, and influenza) per studies reported by the CDC. Antimicrobial effectiveness drops when diluted below 50% concentration. The optimum concentration is 60-90% solutions in water, because water may denature microbe proteins and increase contact time by extending evaporation.

Sterilizing

Alcohols have been shown to be effective as bactericides, fungicides, and virucides. However, they cannot be considered for sterilization because they do not kill bacterial spores. Chemtronics alcohol products should NOT be used for those applications.

* Source: <https://www.cdc.gov/infectioncontrol/guidelines/disinfection/disinfection-methods/chemical.html>



Dr. Saroj Yadav
Lab Manager, ITW Contamination Control – Electronics

“Sterile” and “sterilize” have specific meanings to regulatory agencies, so should not be used haphazardly. Beware of products with unsubstantiated or misleading brand names or claims of disinfection or sterilization. At Chemtronics, what you see is what you get – the most diverse and effective line of alcohol workplace cleaning products.

For more information, go to <https://www.chemtronics.com/isopropyl-alcohol-ipa-products> or contact us at askchemtronics@chemtronics.com or 800-645-5244.



(IPA) Presaturated Wipes Value Packs

New high purity, pre-saturated alcohol wipe in a value tub saves money, time and the environment! 25% more wipes than the rest, so you increase efficiency, productivity, and reduce waste by up to 36%. Even the wipe is 100% recyclable PET polyester!

- 125 wipes/tub - 25% more
- 20% lower cost per wipe
- 20% less handling
- 100% non-woven polyester – non-linting and recyclable
- Recyclable polypropylene packaging

SIP125P 125 pull-up presaturated wipes in pull-up tub 70% USP-grade IPA and 30% deionized water

SIP125P91 125 presaturated wipes in pull-up tub 91% USP-grade IPA and 9% deionized water



IPA Presaturated Wipes

General purpose presaturated wipe in a convenient dispenser

- Ultra pure mixture of IPA and deionized water
- Nonwoven, spunlaced polyester material
- Non-scratching and strong — will not tear or lint
- Ideal for manual cleaning of SMT stencils and touch-up cleaning after batch washing
- IPA100B wipes are lint free and precut in easy-to-open box — excellent for cleaning fine pitch stencils

SIP100P 100 pull-up presaturated wipes in pull-up tub 70% IPA and 30% deionized water, Nonwoven, spunlaced polyester material

SIP91P 100 pull-up presaturated wipes in pull-up tub 91% IPA and 9% deionized water, Nonwoven, spunlaced polyester material

IPA100B 100 c-fold presaturated wipes 70% IPA and 30% deionized water, Polypropylene material

Chempad™ Presaturated Wipe

General purpose, presaturated lint-free cleaning wipe

- Contains ultra pure blend of 91% IPA/9% deionized water
- Thick, non-abrasive, wiping pad
- Quickly removes dust, oils and contaminants

CP400 50 single pack presaturated wipes

Chemswab™ Presaturated Swab

Easy to use swab presaturated with alcohol

- Urethane foam swab (Foamtips™ #120) presaturated with ultra-pure IPA
- Evaporates quickly with no residue or contamination
- Nonabrasive
- Ideal for field service kits

CS25 25 presaturated swabs



IPA - Isopropyl Alcohol

Conveniently packaged and easy to use 99.8% technical grade isopropyl alcohol

- Safe on plastics
- Flammable
- Dries fast
- Leaves no residue
- Cleans hard-to-reach areas
- Meets Fed Spec TT-1-735A

ES605L 16 fl oz / 473 ml liquid

ES105 1 gal / 3.7 L liquid

ES505 5 gal / 18.9 L liquid

ES5505 53 gal / 200 L liquid



For more information, contact our

Technical Hotline at 770-424-4888 ext 154 or

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