

Is Your Hand Sanitizer Safe and Effective?

Laws, Guidance, and Warnings You Need to Know

To meet increased demand for hand sanitizer, some businesses purchased off-brand products that followed loosened regulations. Others turned to open or refillable "bulk" style dispensers. With the withdrawal of the FDA temporary hand sanitizer guidance and independent testing revealing the risk of bulk hand sanitizer dispensers, it's time to get back on track with safe and effective solutions.



Safety Check Warning Signs in Your Hand Sanitizer Supplies

As of **3/31/22**, it is illegal to distribute alcohol-based hand sanitizer produced by non-drug manufacturers under FDA temporary guidance.

Evaluate hand sanitizer supplies for the following:

Short Ingredient List

If the product has only alcohol, glycerin, hydrogen peroxide, and water, and is a thin liquid, then it likely was created as part of the temporary guidance.

No Ingredient List

Past Expiration Date

Does Not Have a Lot Code

Bad Odor and/or Irritates Skin

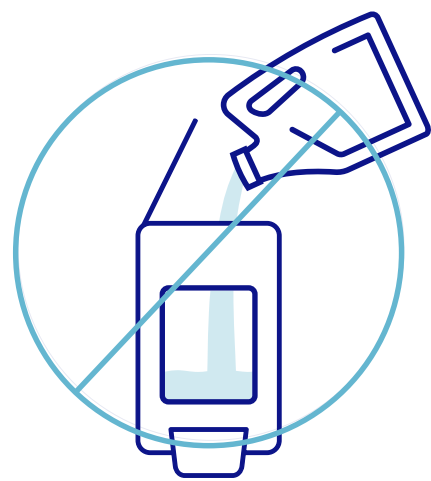
Mislabeled or Not in Original Labeled Container

Flecks, Discoloration, or a Weird Consistency

Is it on the FDA Warning List?¹



Make sure non-compliant hand sanitizer is disposed of following all local, state, and federal disposal requirements and guidelines for hand sanitizer.



Bulk Hand Sanitizer Risks

A bulk hand sanitizer dispenser is easy to identify by the door on top to pour in new product and a reservoir rather than a separate, removable container. The CDC has noted caution about such dispensers, and testing by independent lab Valisure LLC revealed **significant health risks**.²

EFFICACY & SAFETY

The CDC cautions adding to hand sanitizer containers may cause **alcohol evaporation**, potentially **reducing effectiveness**.³

30% of bulk samples in a test² had potentially **dangerous chemicals**, like acetal (respiratory irritant) and acetaldehyde (potential carcinogen).



CONTAMINATION

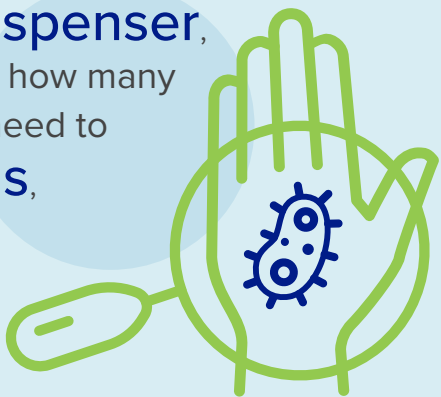
Topping off hand sanitizer can cause **inadvertent contamination** according to the CDC.³

- ✗ Ingredients combining in unknown measures
- ✗ Mixing new with potentially expired product



IMPROPER DOSE

When you **incorrectly refill a dispenser**, it can impact how many pumps you need to **kill germs**, because:

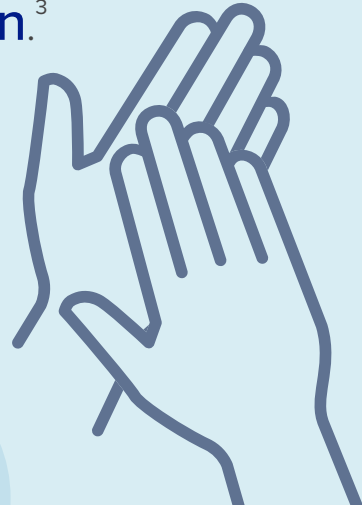


- The dispenser might not be calibrated for that product.
- The wrong product could jam the pump.
- Mixed products can separate and become less effective.

BAD EXPERIENCE

The CDC cautions mixing hand sanitizers can cause **skin irritation**.³

Mixing can also cause **watery or sticky product**.



People are less likely to use a product they don't like.

The PURELL PROMISE™ of Quality and Safety

Every bottle of PURELL® Hand Sanitizer is made of only high-quality ingredients, is manufactured according to strict FDA safety and regulatory standards, and has passed rigorous testing to ensure it is safe and effective. Plus, our dispenser refills are securely sealed for safety. That's our promise to you.

GOJO has made significant investments to ensure ample supply for today and in the future.

1. <https://www.fda.gov/drugs/drug-safety-and-availability/fda-updates-hand-sanitizers-consumers-should-not-use>
2. Manuel CS, Yeomans DJ, Williams JA, Fricker C, Kuceva K, Light D, et al. (2022) Presence of unsafe chemical impurities, accelerated evaporation of alcohol, and lack of key labeling requirements are risks and concerns for some alcohol-based hand sanitizers and dispenser practices during the COVID-19 pandemic. PLoS ONE 17(3): e0265519. <https://doi.org/10.1371/journal.pone.0265519>
3. <https://www.cdc.gov/handhygiene/providers/index.html>

