HOMEMADE HAND SANITIZER

In the absence of the availability of commercial hand sanitizers, the World Health Organization recommends the following recipe for homemade hand sanitizer as part of their COVID-19 response. These ingredients can typically be found at drugstores and some supermarkets.

**WHAT YOU NEED**
- Small spray bottle
- 1 teaspoon of 3% hydrogen peroxide
- 1 tablespoon of 98% glycerin
- Isopropyl alcohol and sterile distilled or boiled cold water in ONE of the following combinations:
  - 1 cup + 2 tablespoons of 99% isopropyl alcohol PLUS 1/4 cup + 1 teaspoon water
  - 1 cup + 3 tablespoons of 91% isopropyl alcohol PLUS 2 tablespoons + 2 and 1/2 teaspoons water

**WHAT TO DO**

1. Pour alcohol into a medium container, ideally with a pouring spout
2. Add hydrogen peroxide, then glycerin and stir
3. Measure and add water
4. Sanitize spray bottles by adding in a small amount of leftover alcohol, swirling around and allowing to air dry
5. Fill bottle with solution and label clearly with contents.

**USING HAND SANITIZER**

To use, spray on all surfaces of your hands and rub them together until they feel dry.

These small quantity recipes are derived from WHO’s Guide to Local Production: WHO–recommended Handrub Formulations.


Contact: Elizabeth L. Andress, Ph.D.
University of Georgia
Professor and Extension Food Safety Specialist
Email: eandress@uga.edu
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