

how to make your own dry hand wash according to WHO from medical alcohol

Dry handwash water is now increasingly favored by the convenience, no need to rinse with water, but also has high antiseptic properties.

See the following tips for making your own **dry hand washing water** from WHO from home medical alcohol.

What is the main ingredient of dry hand sanitizer?

Dry hand sanitizer usually includes main ingredients such as alcohol, deion water, sodium lactate, fragrance and some other chemical compounds.

When choosing to buy dry hand sanitizer, you should choose dry hand sanitizers with **an alcohol content of 60-75%** that can be safely used because they have a high antiseptic ability, which kills most viruses. extremely effective disease.



1 Mix with medical tincture according to WHO formulas

The ingredients and recipes used here are based on the World Health Organization's formula for dry hand-washing liquid.

Glycerol: used as a moisturizer, hand lotion, can be replaced with **aloe vera gel** or liquid oil **vitamin E**.

Essential oil : This ingredient is **not required** for dry hand washing solution. The added essential oil only alleviates the smell of alcohol, creates a pleasant aroma, and nourishes your hands better. You can add things like cajeput oil, cinnamon oil, peppermint oil, .

Picture 2 of how to make your own dry hand wash according to WHO from medical alcohol

Preparing instruments

1. Spray bottle.
2. Glass jar with a capacity of 500 ml.
3. Small funnel.

Ingredients for mixing bottles of 500 ml solution

1. Alcoholic 96: 415 ml.
2. Hydrogen peroxide 3%: 20 ml.
3. Glycerol: 7.5 ml.
4. Essential oil: 2.5 ml.
5. Distilled or boiled water to cool: 55 ml.

The note when using alcohol

1. Alcohol is a burning liquid, so after using alcohol, **you should not do things that are exposed to fire**, such as cooking gas stoves, using lighters, .
2. **Avoid direct contact with alcohol on parts of the body** , should use the necessary protective equipment when exposed as much: masks, gloves, .
3. **Do not store full alcohol into the container** as the alcohol expands greatly with temperature. Use container must be sure, avoid leakage.
4. **Do not take advantage of equipment** packaging, packaging containing chemicals to store alcohol when used for non-industrial purposes because it is easy to dissolve the remaining toxic substances.
5. When exposed to alcohol on an open body such as the eyes, must **wash immediately and go to the nearest medical facility** .
6. **Store alcohol in a cool place, away from heat sources** , away from direct sunlight.
7. When a fire occurs, use powder, dry chemical, CO2 foam for treatment. **Absolutely do not use water to fire** .

Notes when mixing hand sanitizer with alcohol

1. Chemicals and tools can be **purchased at establishments selling medical supplies** , particularly glycerin should choose to buy plant extracts at **food / cosmetic material selling establishments** .
2. Tools used for preparation should be **washed with soap** . If the device is heat resistant, it can be **boiled through or rinsed with boiling water** .
3. During the practice, **wear gloves** to avoid skin irritation. **Avoid getting liquid in the eyes** .

Making

Pour 415ml of 96-degree alcohol into a large jar.



Use a cylinder to measure 20ml of hydrogen peroxide correctly. Then **pour 3% hydrogen peroxide into an alcohol container** .



Using a measuring cylinder, correctly measure 7.5 ml of Gylaxrin and **continue adding Glycerin to the alcohol container** .

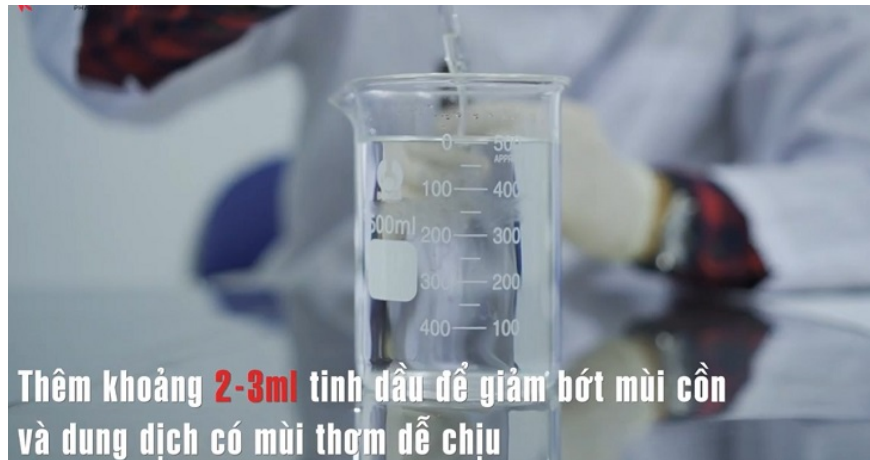
Because glycerol is very viscous, it is easy to stick to the measuring cylinder, so you need to **wash the cylinder with distilled or cooled boiling water** before using to measure the glycerol concentration.



Pour the rest of distilled or boiling water into the flask.



Add about 2 - 3ml of essential oils to reduce the smell of alcohol and a pleasant aromatic solution. **Close the bottle immediately after preparing the** solution so that it does not evaporate.



Shake or gently stir the solution with a chopstick.



Finally, **extract the solution through a small bottle** for easy use.



2 Mix with tea tree oil

What is tea tree oil?

Tea tree oil is a wind oil **extracted from the leaves of long cajeput trees** , which can also be extracted from other trees of the genus Melaleuca.

This oil has a pleasant aroma and taste, so it is **used in many types of specific cough, mouthwash, antiseptic and fungi** in two forms of **topical application or evaporation sniff** .



Make a dry hand wash with aloe vera gel and tea tree oil

Materials to use

1. 1/4 cup gel from aloe vera leaves.
2. 20 drops of tea tree essential oil.

Doing

1. **Mix aloe vera gel and essential oil evenly** until it becomes a mixture.

2. Pour the solution into a **reusable spray bottle or silicone tube** .
3. Use the solution as needed to remove the virus from your hands.



Above is how to make your own dry hand washing water according to WHO from medical alcohol can be done at home. Hopefully through the article, you will be able to make your own dry hand wash.

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