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How To Produce Dettol Liquid Disinfectant In Nigeria (Step By Step Guide) 2022

This is a detailed step-by-step guide on how to produce Dettol liquid Disinfectant at home. This article is targeted at Nigerian DIY Entrepreneurs, however, people from other parts of the world, especially Africans and Asians can follow suit too, provided they can get the required chemicals within their locality.

Dettol is just a brand name, what we are really producing is a liquid disinfectant that is similar to Dettol, but for the purpose of greater understanding, and considering the fact that Dettol is the most popular liquid disinfectant known by Nigerians, we will continue with the term: production of Dettol Liquid Disinfectant. You will need to get your own brand if you desire to go into commercial production.



Those that are serious about commercial production can really make good money from this production of Dettol Liquid Disinfectant. The reason is simply that we are still in the era of Covid 19 and its related variants. Liquid Disinfectants like Dettol are part of things used in combating the spread of germs and all host of others. More so, chemicals are generally cheap, with a small amount, you can produce volumes that will yield plenty of income.

If you are part of those who are producing the Dettol liquid disinfectant for domestic use, it is still commendable. You will end up saving money which can be diverted to getting other important things. As of the time of this report, 75mL of Dettol Liquid Disinfectant is sold for about ₦1000. So you can imagine how much you will be saving by producing what you need instead of buying.

In fact, every household should endeavor to have this product in their various houses, mothers should take note of this, please. Under-aged children who are fond of playing with dirty things will always be free of illnesses and infections if they are regularly bathed with droplets of Dettol liquid disinfectants in the bathing water.

In this article, we shall be discussing how to produce 5litres of Dettol Liquid Disinfectant. The cost of production cannot exceed ₦2500, although this varies in different locations. They are generally cheap and readily available.

What is Dettol and what is it used for?

Dettol is a brand of multi-purpose liquid disinfectant that is mostly used domestically in our various homes or places of work, for diverse purposes. The liquid disinfectant is mostly used for bathing and washing, it can also be used when cleaning utensils, cleaning wound areas of the skin, and lots more.

Dettol helps to kill harmful germs and other bacteria, or as the case may be, and helps to prevent the spread of germs and harmful bacteria, and protect against illness or infections that can be caused by germs.

Apart from usage in homes, Dettol Liquid Disinfectant can be used in various schools, hospitals, and even churches, etc. to prevent the spread of germs and other disease-causing bacteria. Apart from bathing and washing, use it too when scrubbing floor tiles, it works wonders too!

Description of Chemicals used in the production of Dettol Liquid Disinfectant, and their respective functions.

1. Texapon:

The Taxapon is a jellylike and pasty substance, it functions as a foaming agent in the production. The Texapon is a detergent that produces micelles that allows non-polar substance such as oils to be dissolved in water.

2. Phenol:

Phenol, also known as hydroxyl benzene is a colorless aromatic compound with a very sweet smell (it sometimes, comes in brownish color too). It is one of the disinfectants in used in the production of Dettol; however, in small concentrations. Phenol can also be used as a mouth wash.

.3. Chloroxylenol

This is also known as para-chloro-meta-xyleneol (or PCMX), it is the main antiseptic agent in the production of Dettol, and helps to kill germs and for disinfection of the skin. Also used together with alcohol for cleaning and disinfecting surgical instruments.

In higher concentrations, Chloroxylenol may cause some form of irritation to the skin and inflammation, so care must be taken to ensure the measurement during the production of the Dettol.

4. Isopropyl Alcohol:

Isopropyl Alcohol also known as IPA, is also one of the vital ingredients used in the production of Dettol Liquid Disinfectant. It is a colorless compound, with a very strong smell. Its powerful antiseptic effects make Dettol have the ability to fight and kill bacteria, fungi, and viruses, especially in wound treatment.

5. Pine oil:

Pine oil is an extract from Pine trees. It is also an antiseptic and disinfectant substance with a very pleasant smell and can also be used as a healing oil for cold. Pine oil also helps to relieve skin inflammation. When in water, it emulsifies (i.e. forms a cloudy solution.) It makes the Dettol form that cloudy solution when dropped in water.

The use of Pine oil is very verse and not limited to the above-mentioned, it can also be used for bathing antiseptic soaps, bath oils, etc. It can be effective too in the healing of arthritis.

Required Measurement For The Production Of 5 Liters Of Dettol Liquid Disinfectant

1. TEXAPON $\frac{1}{4}$ kg
2. PINE OIL $\frac{1}{2}$ liter
3. PHENOL $\frac{1}{8}$ liter
4. CHLOROXYLENOL $\frac{1}{4}$ liters
5. ISOPROPYL ALCOHOL (IPA) 2 liters
6. WATER (Distilled) 2litres
7. COLORANT as desired.

Note, emplace of water, you may use methanol or ethanol; or the mixture of both (i.e. water plus methanol). We only need them to properly dissolve other constituents in the production of Dettol Liquid Disinfectant

More so, if you desire to produce more volumes of the Dettol Liquid Disinfectants, all you need do is to play around with your ratios. For example, you can double the above measurements for a 10 Liters production of the Dettol Liquid Disinfectant, and so on. Consider what we have as the basic measurement.

Perhaps you are confused about these measurements or don't have the desired measurement apparatus, do not worry, just walk up to the chemical vendor and tell him or her the desired volume of Dettol liquid Disinfectant you wish to produce, they will sell to you accordingly. Trust me, these guys know what they are doing.

So many of my readers of the Liquid Soap Production Article got confused about these measurements too; they were advised as above, the chemical vendors sold to them according to the volume they desired to produce, and they were just fine. Visit the article [Here](#) and read over 140 questions in the forum.

Before we proceed with the production of Dettol Liquid Disinfectant, you may wish to quickly read through these are articles making waves, with over 108,000+ reads hitherto, and still counting; open them in new tabs and for later reading:

- [HOW TO PRODUCE LIQUID SOAP IN NIGERIA \(STEP-BY-STEP GUIDES\)](#)
- [HOW TO PRODUCE CARWASH LIQUID](#)

Production Procedure For The Dettol Liquid Disinfectant.

Safety Tips During Production:

- Please do note that the production should never be so urgent or so important that you don't take the time to carry it out safely.
- Make sure you put on the right protections before commencing the production. The need for use of rubber hand gloves, nose masks, face shields, etc., cannot be overemphasized.
- Carry out all production and an open and well-ventilated environment. Also, make sure it is well illuminated.
- In the event of a chemical splash to the skin or other part of the body exposed, quickly wash with clean running water, then proceed immediately to see medical personnel for further checks.
- Please do not taste any chemical, or directly inhale it.
- Please keep all chemicals away from the reach of children.

Equipment & Tools

- Clean Bowl that can contain 5liters volume without spillage. Preferably a plastic bowl or container.
- A wooden or plastic stirrer
- Funnel
- Packaging containers

Simple Step-By-Step Guide

Step 1: Pour the Texapon into empty clean bowl.

Step 2: Add the Pine oil and stir properly until the Texapon is dissolved completely.

Step 3: Add Phenol to the mixture and stir properly

Step 4: Add Chloroxylenol and stir properly. Note the mixture will turn slightly brownish.

Step 5: Gently pour the amount of water and stir gradually. The mixture will immediately become cloudy or whitish; this is normal.

Step 6: Now add the Isopropyl Alcohol (IPA). Continue to stir until the mixture turns brownish again, to get a perfect blend.

Step 7: Dissolve the color (brown) in a little quantity of water and mix well. Then add bit by bit into the main bowl, while stirring continuously until the desired coloration is reached. Note that this should be the last constituent to be added. Stir very well.

How To Know If Your Production Is Okay.

Take a little quantity of your Dettol liquid disinfectant (just a capful and add into a bucket containing water. On first contact with water, you should observe a cloudy formation. If this is confirmed, then you are good to go.

How To Use Dettol Liquid Disinfectant

Below are instructions on how to use Dettol Liquid Disinfectants. Please note that this product can be harmful if abused.

- This product is meant for external use. Do not ingest to the body or inhale intentionally.
- Also, do not use in the eyes, please.
- Please do not use the product in its concentrated form, always dilute with water.

How To Package Your Dettol For Commercial Purpose

The need for good packaging cannot be overemphasized when you are producing Dettol Liquid Disinfectant for commercial purposes. Packaging is an important factor you must take seriously if really you want to do well in this business. Mind you, there are lots of competitors out there in the market.

The brand 'Dettol' is able to gain a huge position in the market today, not because it is the best liquid disinfectant out there, they may be among the best no doubt; have you closely taken a look at how they packaged their product, compared to other competitors in the market. Dettol is so beautiful and unique. This is part of the reason they are selling so fast.

As I emphasized, packaging plays an important if you want to do well in this business. Except if your production, is for domestic purposes for family use, the way you will package your products will determine how far you will go in the business. Do not use empty water bottle containers; never! Nobody will buy that sh*t from you.

Packaging containers and other materials are readily available anywhere in the country. All you need do is to make an inquiry and you will be directed accordingly. For those in Lagos, you can get them at Ojota Market, in Abeokuta you can get them at Kuto market, If you are in Kaduna, you can get them from the Central Market, Those in Onitsha, you will get them very cheap at Ogbo-Plastic along Upper Iweka road, in Port Harcourt, you can get Akokwa Street, Diobu etc.

Get a good graphic designer or expert to design your stickers and brand your product in such a way that will make them appealing to prospective customers, and that will also keep old customers coming back again. Please get your own name and never use Dettol or other popular brand names; you can land yourself into serious trouble.

Provided you are able to do all these, believe me, you will gradually penetrate the market. You can start little by little, selling to your neighbors, friends, and those and your neighborhood, by the time they use your product and find it pleasant, they will come back for more, and they will also make recommendations to their own friends and families. sell to friends and families.

As the business grows, you will start making more money, but don't forget to do the needful by registering with the appropriate regulatory authorities like NAFDAC, SON, etc.

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Disclaimer: What you have read here is for information and education purposes. Dettol was used because it is a popular brand name, this is to make you understand how a liquid disinfectant is

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