

# Toxin Elimination Plan

Cleaning Your Environment and Making It Baby Ready

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## **Deodorant**

Deodorant is filled with all sorts of chemicals and ingredients that get absorbed straight into your body. Contrary to what many believe, things we put on our skin do not stay there. Our skin is a sponge and absorbs anything placed on it right into the body's tissues and bloodstream.

Deodorant with aluminum specifically needs to be eliminated! Aluminum is a heavy metal that can wreak havoc on your fertility. There are countless options available that work extremely well and don't have all that yucky stuff in it.

Use your Think Dirty app and scan your current deodorant to see how clean or dirty it is. Change it if necessary!

- · Native deodorant brand many different scents for men and women
  - This brand also comes plastic-free if you choose to get that option
- Rocky Mountain Soap Company Deodorant

# Non-Stick Pots and Pans

Non-stick cookware is something that is actually detrimental to our health. There are several chemical components to non-stick cookware - there's teflon and then there's a coating over that called polytetrafluorethylene (PTFE). Teflon is made of a group of chemicals called perfluorinated compounds (PFC's) and when teflon along with the PTFE coating gets heated or scratched all these chemicals leech into food.

Over time, exposure to these chemicals can cause a myriad of health problems including fertility issues, low birth weights in newborns, impaired organ development in pregnancy, elevated inflammatory markers, thyroid issues, and many more. In fact, a study done in regarding PFC's in women trying to conceive found that those who had higher levels took significantly longer to conceive.

PFTE and PFC's cause birth defects in large quantities (like if you're working with those chemicals) but in smaller quantities it builds up in your system over time. It can take 5+ years for your body to clear PFC's, and in studies that have been done on tissues of mothers and newborns several PFC's were found in ALL tissue samples.

There are other exposures to PFC's (like contaminated drinking water) but the one exposure we have most control over is our cookware.

Toss out all of your non-stick cookware! Replace with a nice cast-iron skillet and stainless steel cookware. Once I switched to cast iron I never looked back. When it's seasoned and cooked on properly it is naturally nonstick without any of the nasty chemicals, and it even has the bonus of providing added nutrients to your food.

Yes, cast-iron cookware adds a significant amount of iron to your food while cooking. This is a big bonus - not only are you eliminating a huge source of toxins but you're using something that adds nutrition to your food. When seasoned and cared for well, a cast iron skillet will be a great non-stick surface to cook on.

- I recommend getting at least one <u>12-inch Lodge Cast Iron Skillet</u>. I have all sizes (18" skillet as well, which is great for larger dishes), but this is the one that is used every day, multiple times per day.
- For everyday pots and pans, I recommend getting stainless steel.

# Plastic Food and Drink Containers

Plastic containers have endocrine disrupting chemicals (EDC's) that can get into your drink or food. Even ones listed as "BPA free" aren't safe. Years ago BPA was replaced with BPS, which also harms fertility. We first want to concentrate on items you may place hot food in, warm food in, or drink beverages from (hot or not). This includes plastic food storage containers, plastic water bottles, and your to-go drink mug. If you like to frequent your local coffee shop, that disposable cup is covered in plastics and chemicals, including the top. It's best to get a stainless steel to-go mug and then pour your drink into it, or better yet prepare your morning drink at home and bring that with you.

In the Balance Phase we will discuss how to toxin-proof your morning drink routine. For now, let's replace these most commonly used plastic items.

- For kitchen storage containers:
  - <u>Pyrex</u> has great options for glass food storage containers, baking dishes, and mixing bowls. Any glass product is good.
- For water bottles:
  - Stainless steel options like those from CamelBak or HydroFlask are great, though there are literally hundreds of things to choose from.
  - Glass water bottles are preferred get one in a silicone sleeve to keep it from breaking when you drop it
- For to-go hot drink mugs:
  - Stainless steel like Yeti or Zojirushi, though there are many options

# **Toothpaste**

While there can be many chemicals in ordinary toothpaste, triclosan is specifically terrible. The FDA banned the use of triclosan in hand soaps (finally, after years of evidence it was harmful) because studies showed it causes cancer in rats. In addition to this, triclosan is also one of the worst endocrine disruptors –it can wreak havoc on your hormonal system. It's not in hand soap anymore but you will still see it in toothpaste because it wasn't banned for use in toothpaste. Some brands still uses triclosan stating that it helps sanitize the mouth and protect the gums from disease–causing bacteria.

Natural toothpastes that don't contain triclosan or other unnatural chemicals are widely available and are also really good. While you're at it, get a toothpaste without fluoride.

#### What?!

Yes, WITHOUT fluoride. I know a lot of cities add it to their drinking water (we'll address this later) but there's actually evidence to show that fluoride decreases rate of pregnancy, rate of implantation, and sperm count/quality in animal trials. Start with getting a natural toothpaste that takes out the fluoride, triclosan, and other chemicals.

- <u>RiseWell Toothpaste</u>
- David's Natural Toothpaste
- Dr. Bronner's All-One Toothpaste

# Lotion

Moisturizers are frequently loaded with parabens, petroleum, mineral oil, emulsifiers, thickeners, fragrances and more. The skin soaks this up straight into the bloodtream bypassing the liver altogether and these chemicals get a free ride all over the body before the liver even gets one shot at detoxifying it.

With daily or twice daily application, we're dosing our body with these toxins at a rate the liver can't clear it out.

Use the Think Dirty app and scan your current lotions to see how they grade.

- Luxe Beauty Luxe Lotion
- Avalon Organics
- Desert Essence

# Hand Sanitizer

This is a tough one in the times we live in, but the basic hand sanitizer we're frequently using is loaded with triclosan, alcohol, fragrance, and other chemicals. Not only do these seep into our skin and cause hormonal disruption, they can also disrupt our skin flora and pH.

One research lab was trying to figure out why their mice were having reproductive issues. They discovered that the mice had high levels of chemicals in their blood from being handled by people using hand sanitizer. The levels were high enough to disrupt the fertility and reproduction in these mice. While we can't always generalize animal studies to humans, we do know the chemicals used in hand sanitizer have been proven to be disuprtive in humans. It's best to change it out and drastically reduce its use.

If you work in a hospital or healthcare setting where you are using hand sanitizer frequently throughout the day this can become a burden to our system and send the wrong message. Whenever possible, opt to simply wash your hands over using hand sanitizer.

#### Recipe for homemade hand sanitizer:

- One 2-ounce spray bottle
- a few drops of witch hazel
- a few drops of aloe
- a few drops of vitamin E
- 7 drops of essential oil for every ounce the bottle is
- mix everything together, then fill the remainder of the bottle with water

#### Recommendation:

The Naked Bee Orange Blossom Honey Hand Sanitizer

# Sunblock

While I fully support getting sunblock-free sun for at least 20 minutes to get your vitamin D3 in, sometimes sunblock is necessary if you're outside for long periods or are prone to getting burned. However, the ingredient list on your average sunblock is concerning. Some of them are pretty nasty looking to say the least. And the disturbing part is that there is actually data showing some of these sunscreen ingredients are damaging to fertility. Benzophenone-2 (BP2) and 4-hydroxybenzophenone (4-OH-BP), and oxybenzone cause decreased pregnancy rates and increased times to conception in additional to disrupting hormone levels.

It's best to get a sunscreen that uses the active ingredient zinc oxide. Zinc oxide sits on the skin, doesn't get easily absorbed, and doesn't come with a fertility killing side effect. This sunscreen guide from the Environmental Working Group is great. You can also use the ThinkDirty app to scan what you currently use and to find new ones.

# Nail polish

There are several chemicals in nail polish that are bad for your fertility. One of them is triphenyl phosphate, or TPHP, which is an endocrine disrupting chemical causing hormonal and reproductive abnormalities. Duke University found detectable levels of TPHP in every one of 26 women who had recently had their nails painted, so if you're someone who paints their nails then the likelihood this is in your blood is pretty high.

Other chemicals of concern include:

- Formaldehyde
- Toluene
- Dibutyl Phthalate (DBP)
- Formaldehyde Resin
- Camphor
- Xylene
- Ethyl Tosylamide

If you like to have your nails painted then you'll need to get yourself fertility friendly polish like <u>Flora 1761</u> or <u>Smith & Cult</u>. There are many other kinds and they're usually labeled "5-free" or "7-free".

# Hand Soap

Antibacterial hand soap used to have triclosan in it, which was banned by the FDA some years ago because they saw it was very toxic. This means that new product shouldn't have triclosan in it but old product might. There are other concerning chemicals commonly found in handsoap including cocamidopropyl Betaine(CAPB), BHT, methylisothiazolinone, SLS, phenoxyethanol, fragrance, and many many others.

The most offensive soap brands are also the most popular, unfortunately. Softsoap, Bath & Body works, Simple Pleasures, Method (Pink Grapefruit), Jergens, Dawn, and even some from Jason have these chemicals. Anything labeled as "antibacterial" should be automatically removed from your home – soaps with these labels often contain these chemicals but actually don't clean your hands better than a natural soap. For a proper hand clean all you need is vigorous friction with water for at least 20 seconds – the soap is there to help this process but it's the actual friction and rubbing that cleans the germs off your hands.

Scan your current soaps for ingredients listed above or scan them in to your ThinkDirty app. Better brands to use include Mrs. Meyers, Be Clean, Rocky Mountain Soap,

An at-home recipe you can make yourself is included below:

- Glass foaming soap container filled 3/4 of the way with unscented castile soap
- Several drops of aloe -4 or more depending on the size of your container
- Vitamin E drops 4 or more depending on the size of your container
- 7 drops of preferred essential oil per ounce (so a 5 ounce bottle gets 35 drops)
- Mix together and use!