

Where's The Lye?

What is soap?: Fatty acid (oil/lard) + Base (lye) = "A Salt" (soap). Believe it or not folks, *there is no such thing as lye free soap – soap just isn't soap without lye!!!* In fact if you make your soap correctly, very little lye remains in the final product, thanks to all those crazy chemical reactions. Yep, just enough lye remains so that it is indeed soap and does indeed clean your bod or whatever. (See links to articles on **Leaching Lye** and **Rendering Lard** at the end of this article.)

My last lye order at the beginning of the year took 6 weeks; my current order is going on 8 weeks and is still listed as "backordered". *What the hey-hey?*

So what can a person do when their lye order seems to be lost in the black hole of backorderville?

Cheat, get one of the following soaps, grate/shred it up and rebatch, adding your own oils, glycerin and or scents. For those of you that are penny pinching or frugal, saving old slivers of soap gives you prime rebatching material. You can even make your own essential oils out of the plants from your garden. (See links on that at the end of this article.) Yep, there is enough lye in these soaps to make more soap.

Rebatching or **Hand Milling** bar soap is the act of reprocessing a previously made batch of soap. Depending on the method used it can also be called **Cold Processing**. You can use grated or shredded bar soap or leftover bar soap slivers and flakes.

Now some "soap making purists" don't consider rebatching as making "good real soap", but what do we frugal Preppers care as long as it works! Plus we Preppers just love multi-functionality. If we can use something for more than one sole purpose we not only save bucks, we save on storage space too!

So for quick and easy soapy cleaning solutions stock up on **Fels Naphta**, **Ivory soap**, **Sunlight bar soap** (Canada & Australia), **Kirk's Hardwater Castile**, **Zote**, **Washing Soda** and **Borax** and you will have many options for all kinds of soaps, liquid-bar-powder (or flake) and many other "cleaning" recipes to boot.

Soaps most often used as bases for making other soaps and cleaning products



I have even used a bar of Ivory soap, grated, as the starter base for an olive oil bar soap. Basically I used the grated Ivory in place of lye water. Ok it came out really, really soft – so next time around I will cut the oil in half and once I have repeated good results I'll post the recipe.

What kind of soap you are going to make will play a major role in determining which of the above soaps and or soap slivers you will want to use in your rebatch recipe. Generally speaking for skin or body washing stick to Ivory, Lever 2000, Pure and Natural, Zest, Kirk's (USA) or Dr. Bonner's (Australia, England, Japan, US, Canada) Castile Soap or your leftover slivers of bath soaps and for other cleaning chores use the Fels Naptha, Sunlight, Zote, Borax and washing soda or of course, the Ivory and Castile soaps for gentler fabric type cleaning.

Tip: Keep the used slivers of your face and body soap in labeled Ziploc bags until you have enough to rebatch. If these soaps are scented, be sure to keep each scent in its own bag. I have used Oil of Olay bar soap and body wash and kept their respective "leftovers" to use for rebatching. Works great!

Below is some general information to help you decide which product to use for your various cleaning needs.

Fels Naptha soap is considered a household staple, with a myriad of uses for cleaning. Although many people have used Fels Naptha soap on their hair, scalp and skin, it is not intended for bathing use. The active ingredient is an irritant to the eyes and skin. Fels-Naptha is an American brand of bar laundry soap used for pre-treating stains on clothing (by rubbing the dampened product on a soiled area prior to laundering) and as a home remedy in the treatment of contact dermatitis caused by exposure to poison ivy, poison oak, and other oil-based organic skin-irritants (urushiol). In fact it is well known as the only soap that gets the oily residue of these poisonous plants out of clothing and off skin. It is most often found in the laundry section of a supermarket or grocery store. The original Fels-Naptha, developed by Philadelphia manufacturer Joseph Fels around 1893 is manufactured by and is a trademark of Henkel, which is now part of the Dial Corporation. **Ingredients** from

felsnaptha.com: Soap (sodium tallowate*, sodium cocoate* (or) sodium palmate kernelate*, and sodium palmate*), water, talc, cocnut acid*, palm acid*, tallow acid*, PEG-6 methyl ether, glycerin, sorbitol, sodium chloride, pentasodium pentetate and/or tetrasodium etidronate, titanium dioxide, fragrance, Acid Orange (CI 20170), Acid yellow 73 (ci43350).

Nothing beats Fels Naptha for getting Poison Ivy (oak, sumac and the like) oils out of cloths and off your skin!!

Since 1839, **Kirk's Original Coco Castile Bar Soap** has kept bodies, clothes and homes naturally clean using a vegetable-based, biodegradable formula. **Ingredients** from **kirksnatural.com/faqs:** Coconut Oil, Soap of Coconut, Vegetable Glycerin and Water. *"Kirk's bar is made by a centuries-old, time honored process by mixing coconut oil with caustic soda."* The caustic soda and lye used is made from sea salt. Coconut oil is thus converted to coconut soap, which is technically called sodium cocoate. During the process of making coconut soap, glycerin is also produced since glycerin is a part of natural coconut oil. *"This glycerin is left in Kirk's soap to give moisturization properties and make it less harsh to skin compared to other commercial soaps in which this natural glycerin is removed by a chemical separation process."* According to the site, Kirk's soap is the most natural process soap made in the USA today.

Did you know that the **Original Ivory Bar Soap** floated by accident. For years the Procter & Gamble company had been developing a formula for a high quality soap at an affordable price. In January 1878, they finally perfected the formula. They called it simply "White Soap," and began production. Several months later the accident occurred that causes to float. **Ingredients** from **epinions.com:** Sodium tallowate, sodium cocoate or sodium palm kernelate, water, sodium chloride, sodium silicate, magnesium sulfate, and fragrance. Note: The list of ingredients for the soap is very difficult to find. It is not printed on the individual bars of the 12-pack nor was it found on the outside packaging of the 12-pack of soap. It doesn't appear to be on the company website (www.ivory.com). A blog writer I found was directed to the MSDS (Material Safety Data Sheet) at the Procter & Gamble Company and located the ingredients from the MSDS sheet for Ivory Soap. The **ingredients** according to: **householdproducts.nlm.nih.gov** and **whatsinproducts.com** *Ivory Laundry Soap Flakes* and *Ivory Liquid Laundry Soap* basically contain the same ingredients with added water. **Flakes:** Fragrance(s)/perfume(s); Enzyme(s) (unspecified); Surfactant(s) (unspecified); Softening agent(s) (unspecified); Sodium carbonate; Sodium sulfate; Sodium dihydrogen citrate; Fabric brightening agent; Soil suspending agent(s); Sudsing agent; Aluminum silicate(s) (unspecified). **The liquid also has:** Surfactant(s) (unspecified); Ethanol/SD Alcohol 40; Monoethanolamine (MEA); Sodium borate decahydrate (borax); Enzyme(s) (unspecified). **Bottom Line: Stick to the original bar soap for your recipes, even for making your own dish and laundry soap.**

I couldn't find much on **Sunlight Bar Soap** which is a product of Canada, Australia and New Zealand, and was first marketed in 1885, as well as launched in Kenya in the late 1950's. I saw references to its ingredients being similar to Fels Naphta and Ivory but find that rather contradictory. It is supposed to be pure unscented soap. You can get some history and facts at:

<http://www.unilevertanzania.com/brands/homecarebrands/sunlight.aspx> and according to

<http://www.mail-archive.com/lace@arachne.com/msg16191.html> *cakes of Sunlight bath soap in Australia* are labeled as 'pure soap' and **the ingredients listed on the packet** of Sunlight soap are:

Sodium tallowate, water, sodium cocoate, and/or sodium palm kernelate, glycerin, fragrance, sodium chloride, titanium dioxide, etidronic acid, tetrasodium EDTA.

Zote is manufactured in Mexico and according to **Zote.com** it is a laundry soap made with *“coconut oil and tallow, containing optical brighteners and the bars shape and size are ideal to wash by hand.”* In Spanish *“jabonzote”* (Jabón Zote) means a big soap. **ZOTE** was made with a nearly manual process early on and the company now states it has the *“latest equipment and state of the art technology to manufacture this and all of their products; while keeping the original formula that made ZOTE the absolute leader in the Mexican market.”* **The main ingredients are:** beef tallow and coconut oil, which are neutralized with caustic soda for the saponification process. It contains salt (sodium chloride), glycerin, perfume, optical brightener and dye (in the case of pink ZOTE and blue ZOTE); the unspecified optical brightener is to *“bleach clothes without fading their color”* whose function is to *“absorb light with certain wave lengths in the washed garments and thus reflecting a visible blue; its work is most noticeable in white clothes.”*

Washing Soda and Borax

Borax is Sodium borate decahydrate ($\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$), also known as: Sodium borate; Borax; disodium salt; Sodium tetraborate; Sodium borate decahydrate; Sodium tetraborate decahydrate; Disodium tetraborate decahydrate. **DO NOT CONFUSE BORAX WITH BORIC ACID! DO NOT TAKE BORIC ACID IN PLACE OF BORAX!** (The only reason that I can think of for this particular warning is that someone was dumb or unlucky enough to do this.) Borax is used in laundry detergents and bleaches. It releases hydrogen peroxide when it reacts with water. Hydrogen peroxide acts as a bleach, and this action is aided by the alkaline solution also produced by the reaction.

The **boron** (along with the oxygen and salt) in a borax solution helps to disinfect by killing bacteria and fungi.

Although it has numerous industrial uses, in the home borax is used as a natural laundry booster, multipurpose cleaner, fungicide, preservative, insecticide, herbicide, disinfectant, dessicant and ingredient in making 'slime'!

Borax crystals are odorless, whitish (can have various color impurities), and alkaline. Borax is not flammable and is not reactive. It can be mixed with most other cleaning agents, including chlorine bleach. **Borax and other borates** clean and bleach by converting some water molecules to hydrogen peroxide (H_2O_2). This reaction is more favorable in hotter water.

The pH of borax is about 9.5, so it produces a basic solution in water, thereby increasing the effectiveness of bleach and other cleaners. In other chemical reactions, borax acts as a buffer, maintaining a stable pH needed to maintain cleansing chemical reactions. The boron, salt, and/or oxygen of boron inhibit the metabolic processes of many organisms. This characteristic allows borax to disinfect and kill unwanted pests. Borates bonds with other particles to keep ingredients dispersed evenly in a mixture, which maximizes the surface area of active particles to enhance cleaning power.

The most common brands are: 20 Mule Team (USA), Boraxo (USA, Mexico); Boiron Homeopathics also makes homeopathic Borax pellets which people are starting to use in lieu of Borax (Boiron Homeopathic Medicine Borax, 30C Pellets, 80-Count Tubes).

Borax is one of the most important remedies to kill fungus and nano-bacteria; from nearly all forms of fungus, whether they be mycoplasma found in lupus, rosacea, dog mange, interstitial cystitis plasmodium parasites, Morgellons disease, to pneumonia. *Today very few medical professionals, yet alone us Mr. & Ms. Doe, know that the toxicity of borax is about equal to that of simple table salt.*

Borax and Borons are used in all sorts of things see "*Borax Versus Killer Fungus*" Pioneer Magazine January 1994 @ <http://www.borax.com/pioneer2.html> ; "*Of Cabbages And Things*" Pioneer Magazine February 1999 (checking the effects of the microbe Plasmodiophora brassicae) @ <http://www.borax.com/pioneer38.html> .

Washing soda is also known as **Soda Ash** or **Sodium Carbonate** (Na_2CO_3), *is a close chemical relative of Baking Soda or Sodium Bicarbonate* (NaHCO_3),. However, Washing soda is **NOT** Baking Soda. If you heat baking soda to 350 or 400 degrees F, it will turn to washing soda. It can be found at mass retailers in either the laundry or cleaning sections or the pool supplies. In some detergent recipes, baking soda substitutes for washing soda adequately. Its components are salt and limestone, and it also occurs naturally in some parts of the world, such as in Wyoming.

Washing Soda is caustic/alkaline with a pH of 11 (with 7 being neutral). Though it does not give off harmful fumes, you do still need to use/wear gloves when handling it directly as a cleansing agent.

Baking Soda is only slightly alkaline with a pH around 8.1 (again, 7 being neutral). The most common brand of Washing Soda is Arm and Hammer.

Both Baking Soda and Washing Soda have the power to neutralize odors, instead of just covering them up.

What is the difference between washing soda and OxiClean? They are NOT the same. Washing soda is a product to make water "wetter" by breaking some molecular bonds in the water and lowering the surface tension of the water so that the soap can be more effective. OxiClean is a slow-acting oxygen bleach that contains washing soda in addition to the bleaching product. Washing soda cannot bleach anything whereas, with the right amount, time, and concentration, OxiClean can bleach things but not as fast or as brutal as chlorine.

If you're interested in the difference between, Washing Soda (Sodium Carbonate), Baking Soda (Sodium Bicarbonate) and Borax (Sodium Tetraborate Decahydrate), there is an excerpt from <http://frugalliving.about.com> that explains it much better than I can. Just keep in mind these are all different compounds.

Add **Vinegar** and **Olive Oil** to your pantry formulary along with these soaps, washing soda and borax and you have just about everything you need to make your own low cost household cleaning products. Not only that, these homemade cleaners have far less, to nil, dangerous off gassing and you can point that out to any environmentalists that like to wave their finger in your face, then ask them what *they* use.

Have fun and reap the cost savings at the same time ;-}

Ok back to **Rebatching Soap**. Rather than re-write all the great information and recipes that are out there, below are some links that I have been using or been referred to for recipes:

- Rebatching Soap, including Crockpot Method of Rebatching; Boil-n-Bag Rebatching Soap <http://www.soap-making-essentials.com/rebatching-soap.html>
- Rebatching, Remelting, Recrafting, Remilling, etc. (*this site is 2nd to none on all things soap making*) <http://www.millersoap.com/re.html>
- All-Vegetable Soaps Castile Soap Recipes (*this site is 2nd to none on all things soap making*) <http://www.millersoap.com/castile.html>
- All-Vegetable Soaps and the Stick Blender PDF for download (*this site is 2nd to none on all things soap making*) <http://www.millersoap.com/PDF/AllVegHandout.pdf>
- Basic Soapmaking Procedures download the PDF (*this site is 2nd to none on all things soap making*) <http://www.millersoap.com/PDF/BasicSoapHndt.pdf>
- Some great tutorials and Basic Rebatching Instructions at: <http://www.teachsoap.com/rebatch.html>
- Hand Milled Soap Tutorial <http://www.soap-making-resource.com/milled-soap.html>
- The Hand Rebatch Method <http://www.colebrothers.com/soap/rebatch.html>
- Rebatch soap - Plastic Baggie Technique <http://soap-queen.blogspot.com/2009/02/rebatch-soap-plastic-baggie-technique.html>
- How to make rebatched soap <http://www.bellaonline.com/articles/art62063.asp>
- Rebatching Soap <http://www.soapnuts.com/indexrebatch.html>
- Cold Process Soap Recipes (*eight neat pages worth of recipes*) <http://www.soapnuts.com/indexcp.html>
- How to Rebatch Soap <http://www.suite101.com/article.cfm/soapmaking/76624>
- Rebatching Soap Base and Directions http://www.saratogascents.com/rebatching_soap_base.html
- Cold Process Soap Making, Melt and Pour and Rebatching Soap - Easy As Pie! <http://www.articlesbase.com/advertising-articles/cold-process-soap-making-melt-and-pour-and-rebatching-soap-easy-as-pie-789978.html>
- Instructions for Rebatching Soap http://www.pvsoap.com/instructions_for_rebatch.htm
- Rebatch Soap <http://soap-made-easy.com/rebatch-soap.html>
- Cold Process Soap Making Tutorial A Lesson in Lye Soap Making (*sign up for their newsletter, its great*) <http://www.soap-making-resource.com/cold-process-soap-making.html>
- Cold Process Soap Making Tutorial <http://www.soap-making-essentials.com/cold-process.html>
- Making Cold Process Soap (from scratch) <http://www.makelotion.com/howtomakesoap.htm>
- What Is Cold Process Soap? <http://www.wisageek.com/what-is-cold-process-soap.htm>
- How to Make Soap with the Cold Process <http://www.wikihow.com/Make-Soap-with-the-Cold-Process>
- Cold Process Soap Making http://candleandsoap.about.com/od/coldprocesssoapmaking/Cold_Process_Soap_Making.htm
- How To Rebatch Your Soap (*great instructions*) <http://candleandsoap.about.com/od/soapmakingbasics/ss/rebatchingsoap.htm>
- Articles: Rebatching Soap <http://www.ehow.com/rebatching-soap/>
- Soap Facts http://www.botanicalearth.com/content.php?content_id=1007
- Recipes SoapNaturally.org: http://www.soapnaturally.org/soap_recipes/index.html
- Recipes Cranberry Lane: <http://www.cranberrylane.com/recipes.htm>

- Recipes Miller's All-Vegetable Soaps (*this site is 2nd to none on all things soap making*)
<http://www.millersoap.com/soapallveg.html>
- Design Your Own Soap Recipe download the PDF (*this site is 2nd to none on all things soap making*)
<http://www.millersoap.com/PDF/SoapDesign.pdf>
- Cold Process Soap Making download the PDF <http://craftsanity.com/pdf/deesoap56.pdf>
- Free Soap-Made-Easy eCourse <http://soap-made-easy.com/>
- Soap without LYE? (*this site is 2nd to none on all things soap making*)
<http://www.millersoap.com/SoapFAQs.html#1>
- Soap Making Method Without Lye (*explains that lye is always there even if additional lye is not added*)
http://crafts.lovetoknow.com/wiki/Soap_Making_Method_Without_Lye
- Can you make soap without lye-Hand Made Olive Oil SOAP download the PDF (*more like above*)
<http://www.martisoap.com/martisoap.pdf>
- Making Cream Soap without Lye (*similar recipe as above*)
<http://www.thriftyfun.com/tf84902006.tip.html>
- How to Make Soap Without Lye (*more like above*) http://www.ehow.com/how_2352389_make-soap-lye.html
- How to Make Soap Without Lye (*more like above*) <http://knol.google.com/k/how-to-make-soap-without-lye#>
- Making Natural Soap - No Lye (*more like above*) http://hubpages.com/hub/Soap_Making_Recipe
- How to Make Olive Oil Soap Without Lye (*more like above*)
http://www.ehow.com/how_4742175_make-olive-oil-soap-lye.html
- Survival series: making soap without lye (*more like above*)
<http://www.thecrunchychicken.com/2009/01/survival-series-making-soap-without-lye.html>
- Shaving Soap Recipe With No Lye (*like above*) http://www.ehow.co.uk/how_6863721_shaving-soap-recipe-lye.html
- Making Soap Without Lye (*like above*) <http://www.life123.com/hobbies/candles-soap/soap-making/making-soap-without-lye.shtml>
- How to Make Natural Soap Without Lye (*like above*) <http://www.livestrong.com/article/171209-how-to-make-natural-soap-without-lye/>
- How can I make soap without lye? (*like above*)
<http://uk.answers.yahoo.com/question/index?qid=20100312133516AAwZZKi>
- Soap On A Shoestring, It's No Lye (*like above*)
<http://pubs.acs.org/cen/newscrip/87/8712newscrip.html>
- Advice - Using Glycerin instead of lye?
<http://www.thathomesite.com/forums/load/soap/msg0313022920193.html?5>
- Make Natural Baby Soap with these Easy Organic Soap Making Instructions <http://www.make-baby-stuff.com/natural-baby-soap.html>

Links for making your own **Essential Oils**:

- How to Make Essential Oils <http://make-fragrances.blogspot.com/2007/01/how-to-make-essential-oils.html>
- Tips for Making Your Own Essential Oils <http://www.healthynewage.com/e1.html>

- Practical Skills: How to Make Essential Oil <http://aftermathblog.wordpress.com/2006/05/27/practical-skills-how-to-make-essential-oil/>
- How To Make Your Own Essential Oils <http://www.health-oils.com/howtomakeessentialoils.html>
- How do you make essential oils simply (like egyptians) <http://www.madsci.org/posts/archives/2001-08/997909900.Ch.r.html>
- The Extraction of Essential Oils <http://www.oneplanetnatural.com/distillation.htm>
- How To Extract Essential Oil From Flowers http://www.allsands.com/Health/Alternative/extractessentia_ybq_gn.htm
- How To Make Your Own Peppermint Essential Oil <http://hubpages.com/hub/how-to-make-your-own-peppermint-essential-oil>
- You Can Learn How to Make Essential Oils at Home http://www.thehealthcarecenter.com/how_to_make_essential_oil.html
- How to Make Lavender Essential Oil <http://www.buzzle.com/articles/how-to-make-lavender-essential-oil.html>
- Homemade Essential Oils Step by step instructions for making homemade essential oils <http://www.aromatherapy-at-home.com/homemade-essential-oils.html>
- How to Make Essential Oil http://www.ehow.com/how_4541401_make-essential-oil.html
- Essential Oil Extraction <http://www.essential-oil-recipes.com/essential-oil-extraction.html>
- How Can I Make My Own Essential Oils? <http://www.suite101.com/article.cfm/aromatherapy/39709>
- Distilling Organically Grown Lavandin and Lavender in Oregon <http://www.essentialoil.com/distillinglav.html>
- How to Make Essential Oils <http://www.wikihow.com/Make-Essential-Oils>
- How To Make an Essential Oil Distiller <http://www.howtodothings.com/hobbies/how-to-make-an-essential-oil-distiller>
- How to Make an Essential Oil Distiller http://www.ehow.com/how_2051569_essential-oil-distiller.html
- DIY diffusers: How to make essential oil diffuser kits at home http://essential-oil.com/diffusing-essential-oils_diy-diffusers-how-to-make-essential-oil-diffuser-kits-at-home_737.html
- Essential Oil Distiller Operating Instructions <http://heartmagic.com/eoinstructions.html> & <http://heartmagic.com/EssentialDistiller.html>

Other great **Household Cleaning Formularies** can be found at:

- Pantry Cleaners: Recipes for Homemade Cleaning Products <http://organizedhome.com/clean-house/pantry-recipes-homemade-cleaning-products>
- Guide to Homemade Laundry Soap *Download the PDF* <http://www.sunflower-soap.com/LSGuide1.pdf>
- Homemade Laundry Soap Detergent Recipes *Download the PDF* <http://scribd.com/doc/10267990/Homemade-Laundry-Soap-Detergent-Recipes>
- How to Make a Non-Toxic Cleaning Kit *Download the PDF* <http://dingo.care2.com/greenliving/Care2%20NTCK%20list.pdf>
- How to Make Homemade Cleaning Products http://www.ehow.com/how_2225254_homemade-cleaning-products.html
- Homemade Cleaning Products - Cleaners - Recipes <http://www.pioneerthinking.com/homecleaning1.html>

- Homemade Cleaning Products <http://www.diynetwork.com/decorating/homemade-cleaning-products/index.html>
- Tightwad Tuesday: Homemade Cleaning Products <http://beingfrugal.net/2008/01/29/save-money-by-making-homemade-cleaning-products/>
- How to Make a Non-Toxic Cleaning Kit *Download the PDF* <http://dingo.care2.com/greenliving/Care2%20NTCK%20list.pdf>
- Pantry Cleaners: Recipes for Homemade Cleaning Products <http://organizedhome.com/clean-house/pantry-recipes-homemade-cleaning-products>
- 3 Homemade Natural Cleaning Products <http://housekeeping.about.com/cs/environment/a/alternateclean.htm>
- How to Make Homemade Cleaning Products http://www.ehow.com/how_2225254_homemade-cleaning-products.html
- Non-Toxic Home Cleaning http://eartheasy.com/live_nontoxic_solutions.htm
- Homemade Green Cleaning Products <http://lifestyle.iloveindia.com/lounge/homemade-green-cleaning-products-7057.html>
- 25 Safe, Non-toxic, Homemade Cleaning Supplies <http://blisstree.com/live/25-safe-non-toxic-homemade-cleaning-supplies/>
- Make Your Own Cleaning Products <http://www.mrscleanusa.com/en/cleaning-tips/cleaning-products/cleaning-products.html>
- Inexpensive and Homemade Cleaning Products <http://www.doityourself.com/stry/makecleansupply>
- Save money with easy & inexpensive cleansers you can mix yourself <http://www.squidoo.com/cleaningsupplies>
- Natural Homemade Cleaning Products that are Baby Safe <http://www.make-baby-stuff.com/homemade-cleaning-products.html>
- How to Make Homemade Cleaning Products: Glass Cleaner http://www.ehow.com/how_5546547_make-cleaning-products-glass-cleaner.html
- 10 Ingredients For Homemade Cleaning Recipes <http://housekeeping.about.com/od/productreviews/p/ingredients.htm>
- How to Clean Baby Toys Naturally with Homemade Cleaning Products <http://www.make-baby-stuff.com/how-to-clean-baby-toys.html>
- Baby Wipe Solution Recipes <http://www.make-baby-stuff.com/baby-wipe-solution.html>

Be sure to check out my previous articles on **Leaching Lye** and **Rendering Lard** at:

- Rendering LARD Cooking and Candle Makings Forgotten Skill http://weebly-file/2/2/5/0/22509786/rendering_lard_cooking_and_candle_makings_forgotten_skill_new_site.pdf
- How to Make LYE the Key Ingredient to Soap Making http://weebly-file/2/2/5/0/22509786/how_to_make_lye_the_key_ingredient_to_soap_making_new_site.pdf

Misc

- Homemade Car Rust Remover http://www.ehow.co.uk/way_6147264_homemade-car-rust-remover.html

- Homemade Car Cleaning Products: Interior Protectant/Dressing; Interior Cleaner; Carpet and Upholstery Stain Remover; Tire Cleaner; Chrome Cleaner; Window Cleaner; Car Wash Solution http://frugalliving.about.com/od/affordabletransportation/tp/Car_Cleaner_Recipes.htm
- *Homemade Firearm Cleaners & Lubricants* <http://www.frfrogspad.com/homemade.htm>
- Basic Recipes for making your own cosmetics, bath products, soaps, etc. with YOUR OWN special essential oil Combinations <http://www.zhealthinfo.com/basic-recipes.htm>
- How to Make Essential Oil Face Moisturizer http://www.ehow.co.uk/how_5969808_make-essential-oil-face-moisturizer.html
- Making Bath Salts http://www.saltworks.us/salt_info/si_MakingBathSalts.asp
- How To Make Your Own Essential Oil Skin Care Remedies <http://ezinearticles.com/?How-To-Make-Your-Own-Essential-Oil-Skin-Care-Remedies&id=458686>
- Uses for Vinegar http://frugalliving.about.com/od/doityourself/a/Vinegar_Uses.htm and http://frugalliving.about.com/od/doityourself/a/Vinegar_Uses.htm
- Uses for Lemons http://frugalliving.about.com/od/doityourself/a/Uses_for_Lemons.htm
- Uses for Baking Soda http://frugalliving.about.com/od/doityourself/a/Use_Baking_Soda.htm
- Homemade Rust Remover Recipes <http://www.stain-removal-101.com/homemade-rust-remover.html>
- Homemade Stainless Steel Scratch Remover <http://www.doityourself.com/stry/homemade-stainless-steel-scratch-remover>
- Homemade Rust Remover Recipe <http://www.doityourself.com/stry/homemade-rust-remover-recipe>
- Homemade Rust Removers http://www.ehow.com/way_5285965_homemade-rust-removers.html
- How to Create a Homemade Rust Remover <http://www.edubook.com/how-to-create-a-homemade-rust-remover/8598/>
- Homemade Rust Remover <http://www.buzzle.com/articles/homemade-rust-remover.html>
- Homemade Rust Remover http://www.associatedcontent.com/article/619609/homemade_rust_remover.html
- Homemade Rust Remover Recipes http://frugalliving.about.com/od/cleaningtipsandrecipes/qt/Rust_Removers.htm
- Grease Remover http://frugalliving.about.com/od/cleaningtipsandrecipes/qt/Grease_Remover.htm
- Mineral Deposit Remover <http://frugalliving.about.com/od/householdsavings/qt/CleanShowerhead.htm>
- Mold & Mildew Remover http://frugalliving.about.com/od/householdsavings/qt/Mildew_Remover.htm
- Crayon Remover http://frugalliving.about.com/od/cleaningtipsandrecipes/qt/Crayon_Remover.htm
- Laundry Stain Remover http://frugalliving.about.com/od/colthing/tp/Vinegar_Laundry_Stain_Remover.htm
- Copper and Brass Tarnish Remover http://frugalliving.about.com/od/cleaningtipsandrecipes/qt/Tarnish_Remover.htm
- How to Remove Rust Stains <http://chemistry.about.com/od/cleaningtips/a/removerust.htm>
- How to Get Rust Stains Out of Laundry http://www.ehow.co.uk/how_5626375_rust-stains-out-laundry.html
- How to Remove Rust From a Springform Pan http://www.ehow.co.uk/how_4464414_remove-rust-from-springform-pan.html ; http://www.ehow.co.uk/how_6119075_homemade-rust-removers-springform-pan.html
- Carpet Rust Stain Removal http://www.ehow.co.uk/way_5448248_carpet-rust-stain-removal.html
- Homemade Carpet Rust Removal http://www.ehow.co.uk/way_5449808_homemade-carpet-rust-removal.html
- How to Clean Rust Stains From a Bath Tub http://www.ehow.co.uk/how_6720733_clean-rust-stains-bath-tub.html
- How to Remove Rust From Stainless Steel Flatware http://www.ehow.co.uk/how_4778423_remove-rust-stainless-steel-flatware.html
- How to Remove Calcium & Rust From a Household http://www.ehow.co.uk/how_5630365_remove-calcium-rust-household.html
- Home Remedies for Rust Removal From Clothing http://www.ehow.co.uk/way_5286317_home-remedies-rust-removal-clothing.html

- How to Make Homemade Rust Stain Remover http://www.ehow.co.uk/how_4883895_make-homemade-rust-stain-remover.html
- Homemade Methods of Removing Rust http://www.ehow.co.uk/way_5956314_homemade-methods-removing-rust.html
- Homemade Rust Removal on Steel http://www.ehow.co.uk/how_6137495_homemade-rust-removal-steel.html
- Removing Rust With Homemade Cleaner http://www.ehow.co.uk/how_6298093_removing-rust-homemade-cleaner.html
- Homemade Rust Removers http://www.ehow.co.uk/way_5285965_homemade-rust-removers.html
- Make Natural Plastic From Dairy Products <http://chemistry.about.com/cs/howtos/ht/dairyplastic.htm>
- Organic Pesticides: Homemade Pesticides & Insecticides for Natural Pest Control <http://www.countryfarm-lifestyles.com/natural-pesticides.html>
- "Do it yourself" pest control / Homemade pesticides, fungicides, and fertilizers for the organic gardener <http://hubpages.com/hub/Do-it-yourself-pest-control-Homemade-pesticides-fungicides-and-fertilizers-for-the-organic-gardener>
- Homemade insecticide information and recipes http://www.essortment.com/all/homemadeinsecti_rvxg.htm
- Homemade Pesticide Recipes <http://ezinearticles.com/?Homemade-Pesticide-Recipes&id=308404>
- Organic Pest Control and Pesticide <http://www.suite101.com/content/organic-pest-control-and-pesticide-a4337>
- Make Your Own Homemade Pesticides and Repellants <http://www.paystolivegreen.com/2008/12/make-your-own-homeade-pesticides-and-repellants/>
- Homemade organic pesticide http://www.essortment.com/all/homemadeorgani_renu.htm
- Homemade Natural Insecticide and Repellent Recipes <http://www.buzzle.com/articles/homemade-natural-insecticide-and-repellent-recipes.html>
- How to Make Your Own All-Natural Pesticide <http://herbanlifestyle.wordpress.com/2010/06/07/make-your-own-pesticide/>
- Homemade Insecticide Recipe Using Neem Oil http://www.ehow.com/way_5802117_homemade-recipe-using-neem-oil.html
- Make Organic Pesticides At Home <http://www.us.ayushveda.com/make-organic-pesticides-at-home/>
- Homemade Insecticide <http://www.squidoo.com/homemadeinsecticide>
- Homemade Insecticide – Garlic and Chilli Soap Sprays <http://www.aselfsufficientlife.com/homemade-insecticide-garlic-and-chilli-soap-sprays.html>

“A person who has never made a mistake has never tried anything new.”

Albert Einstein

TNT