



What is currently used in my home:



Back Row: Hill Country Glass Cleaner, Tilex Mildew Root Penetrator, Instant Power Hair & Grease Dissolver
 Middle Row: Lysol Bathroom Cleaner, HEB All Purpose Cleaner, Clorox Disinfecting Wipes
 Front Row: Bar Keepers Friend Stainless Steel Cleaner, Mr. Clean Multipurpose Cleaner, Blue Coral Upholstery Cleaner, Bar Keeper's Friend Cleaner and Polish, Dawn Dish Soap

Back Row: Tide Pods Laundry Detergent, Downy Unstoppables Fabric Freshener
 Middle Row: Pledge Wood Polish, Shout Stain Remover, Ready Strip Rust Remover
 Front Row: Swiffer Floor Wipes



Clorox Disinfecting Wipes

(Lemon Scent)

- Ingredients:
 - n-Alkyl (C14, 60%; C16, 30%; C12, 5%; C18, 5%) Dimethyl Benzyl Ammonium Chloride, Dimethyl Ethylbenzyl Ammonium Chloride, OTHER INGREDIENTS.
- Retail Price: \$4.65 at H.E.B. (75 count)



BLEACH-FREE

ACTIVE INGREDIENTS:

n-Alkyl (C14, 60%; C16, 30%; C12, 5%; C18, 5%)	
Dimethyl Benzyl Ammonium Chloride.	0.184%**
n-Alkyl (C12, 68%; C14, 32%) Dimethyl	
Ethylbenzyl Ammonium Chloride.	0.184%**
OTHER INGREDIENTS:	99.632%
TOTAL:	100.000%

** Does not include weight of dry wipe.

Clorox Disinfecting Wipes

(Lemon Scent)

Ingredients as per Clorox website:

- Water
- Substrate
- Hexoxyethanol
- Alkyl C12-18 Dimethylbenzyl Ammonium Chloride
 - quaternary ammonium compound (or "quat") and is added to products as cleaning agents, or as antimicrobial agents in EPA-registered disinfecting cleaning products.
- Alkyl C12-14 Dimethylethylbenzyl Ammonium Chloride
 - quaternary ammonium compound (or "quat") and is added to products as cleaning agents, or as antimicrobial agents in EPA-registered disinfecting cleaning products.
- C12-14 Alcohols Ethoxylated Propoxylated
 - strong grease-cutting ability.
- Citric Acid
- Fragrance
- Isopropanol
- Sodium Bicarbonate/Baking Soda

DECODING: Clorox Disinfecting Wipes

- What is the product rating?
- Rating-D



DECODING: Clorox Disinfecting Wipes

- What are the top three ingredients and their individual ratings?
 - Alkyl Dimethyl Ethylbenzyl Ammonium Chloride (C12-14)
 - Rating: D
 - Alkyl Dimethyl Ethylbenzyl Ammonium Chloride (C14 60%, C16 30%, C12 5%, C18 5%)
 - Rating: D
 - Alkyl Dimethyl Ethylbenzyl Ammonium Chloride (C12-18)
 - Rating: D



DECODING: Clorox Disinfecting Wipes



- What are three adverse health impacts that you learned about the product ingredients?
 - Evidence of respiratory effects
 - Acute aquatic toxicity
 - Asthmagen
 - Reproductive toxicity in animals

Greener Alternative:

Aunt Fannie's Cleaning Vinegar Wipes, Sweet Mandarin

- Ingredients:
 - Grapefruit Oil, Mandarin Orange Peel Oil, Orange Peel Oil, Myristyl Glucoside, Juniperus Communis Fruit Oil, Vinegar



Retail Price: \$6.99 at LuckyVitamin.com (16.9 oz)

Rating: A



Clorox Disinfecting Wipes vs. Aunt Fannie's Cleaning Vinegar Wipes

- Price: \$4.65
- Rating: D



BLEACH-FREE	
ACTIVE INGREDIENTS:	
n-Alkyl (C14, 60%; C16, 30%; C12, 5%; C18, 5%)	
Dimethyl Benzyl Ammonium Chloride	0.104%**
n-Alkyl (C12, 60%; C14, 32%) Dimethyl	
Ethylbenzyl Ammonium Chloride	0.104%**
OTHER INGREDIENTS	99.632%
TOTAL	100.000%
**Does not include weight of dry wipe.	

- Multiple Unknown Ingredients
- Ingredients linked to severe respiratory issues
- Harmful effects in humans and animals

- Price: \$6.99
- Rating: A
- Ingredients:
 - Grapefruit Oil, Mandarin Orange Peel Oil, Orange Peel Oil, Myristyl Glucoside, Juniperus Communis Fruit Oil, Vinegar
- Natural Based Ingredients
- Ingredients not linked to severe health concerns
- No harmful effects



Will you consider making the switch and would you recommend it to your friends? Why or why not?



- I would consider making the switch if it were economically feasible to spend that kind of money on disinfectant wipes, however being a full-time student does not always allow that kind of flexibility in terms of finances.
- I will, however, highly recommend this to my friends, especially those with young children. It is amazing that something so simple as a disinfectant wipe that cleans your counter can lead to such awful breathing problems. I will definitely encourage friends to make the change to prevent the spread of further damage.

