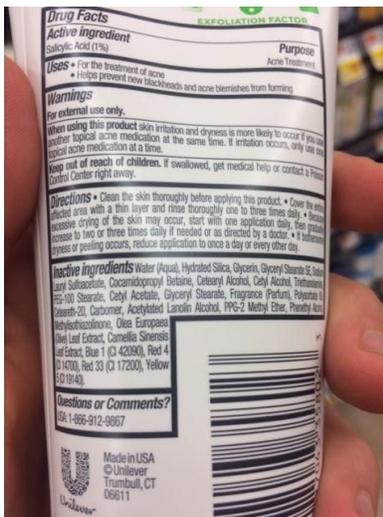


Team Wachuchutrain

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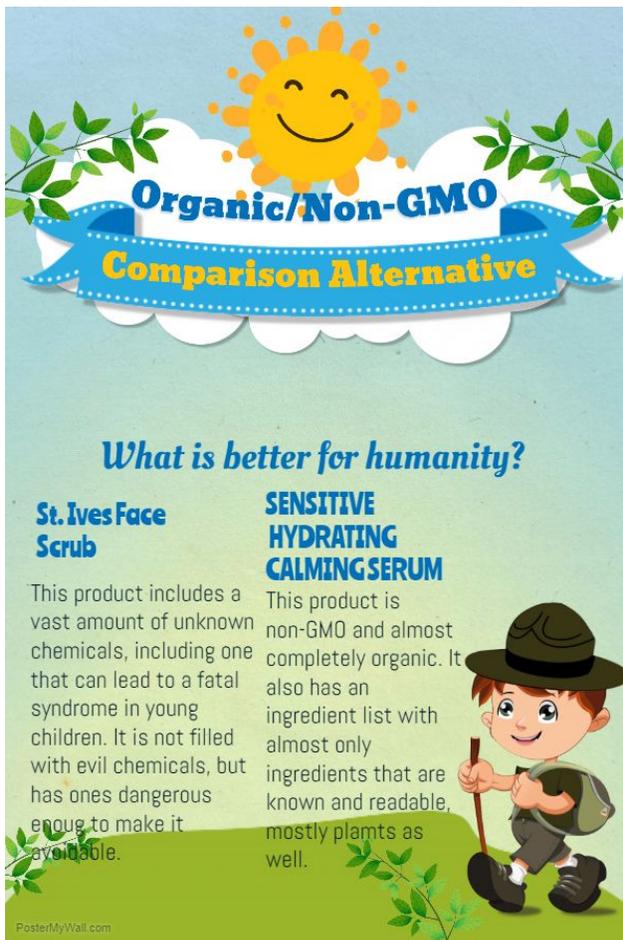
Wachusett Regional High School



Products:	St. Ives Green Tea Scrub	Briannas Italian Vinaigrette	Full Circle Eucalyptus and Lavender Dish Detergent
Unknown Ingredient #1:	Salicylic Acid	Sodium Benzoate	Sodium Lauryl Sulfate
Human/Environment Impact:	Rather dangerous to humans, and only active ingredient in the product. Tears off first skin layer, can cause a serious or fatal condition in children called Reye's syndrome. It also has environmental effects on plant growth and development.	This chemical is not very intense on humans and is a preservative. It is not detrimental to the environment, but like most things, too much is bad.	This chemical will cause skin and eye irritation and corrosion. It is not known for directly causing cancer, but could to some extent have an effect. It negatively impacts the environment as it pollutes the groundwater.
Unknown Ingredient #2:	Hydrated Silica	Xanthan Gum	Cocamidopropylamine Oxide
Human/Environment Impact:	No severe dangers to humans except weakening of tooth enamel is possible. As a product of Silica it is not notably harmful to the environment.	It is safe in a limited quantity. It can cause throat, lung, and intestinal issues in excess or in powder. The environmental impact is supposedly limited at the low levels it is exposed at. Too much will also hurt the environment.	Only in great quantities can it cause major skin and eye irritations. It can also damage the Respiratory system. It is also not noticeably harmful to the environment.
Unknown Ingredient #3:	Cocamidopropyl Betaine	Mixed Tocopherols	Sodium Propionate
Human/Environment Impact:	The dangers to humans are allergic reactions and significant eye irritations. The	It is helpful in lower quantities, but like most things too much hurts you. It can cause major issues for	This chemical would lead to skin irritation with direct contact, but is considered safe, its health

	environmental impact is very minimal in all aspects.	some people. As for the environment, are minimal as it is a product of nature.	concerns are debated. It does not appear to have major environmental impacts.
Greenwashed Product?	Yes, because the majority of unknown ingredients are rather harmful. This is also a product that can cause fatal conditions in children.	No, because the ingredients are rather safe and found in nature. The effects of the chemicals that I did not know changed my mind.	Yes, because even though the ingredients are not always extremely harmful, they do have consequences and are not the most natural items. It also pollutes the natural environment. :(

Alternative:



My “a-ha” moment was when I was reading the large quantities of chemicals in each “naturey” product. I plan to look at labels rather than pictures in my future grocery shopping expeditions.

URL's Used:

<https://www.greenpeopleus.com/shop/by-product/natural-skin-care/sensitive-scent-free-hydrating-calming-serum-50ml>

https://pubchem.ncbi.nlm.nih.gov/compound/sodium_propionate#section=Fire-Potential

<https://www.truthinaging.com/ingredients/cocamidopropylamine-oxide>

<https://smartklean.wordpress.com/2011/09/08/top-10-reasons-to-avoid-sodium-lauryl-sulfate/>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4651417/>

www.fitday.com/fitness-articles/nutrition/healthy-eating/what-is-tocopherol.html

www.webmd.com/vitamins-supplements/ingredientmono-340-xanthan%20gum.aspx?...

www.who.int/ipcs/publications/cicad/cicad26_rev_1.pdf

www.livestrong.com/article/226739-dangers-of-cocamidopropyl-betaine/

<https://www.hylunia.com/ingredient-dictionary/cocamidopropyl-betaine-2>

<https://www.everydayhealth.com/search/cocamidopropyl/>

<https://www.everydayhealth.com/drugs/salicylic-acid-topical>

<http://www.tomsofmaine.com/ingredients/overlay/hydrated-silica>

www.trustedhealthproducts.com/6HiddenDangerinToothpaste.pdf

<http://www.sciencedirect.com/science/article/pii/S0098847209001579>