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Dangerous Ingredient #1: **Artificial Colors**

In This Article

Dangerous Ingredient #2: Hydrogenated Oils

Mercury, & PCBs

Dangerous Ingredients #3: Lead,

Dangerous Ingredient #4: Talc or Magnesium Silicate

Dangerous Ingredient #5:

The Solution

Titanium Dioxide

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production practices, getting all our nutrition from food is not realistic. So most of us pop vitamins and other dietary supplements to ensure we're getting optimal levels of necessary micronutrients. Some of us pop more than others. And we're getting handed them, just like this packet of samples my doctor recently gave me. [See photos below.] But what if dangerous ingredients are lurking in your vitamin and mineral supplement? "No", you exclaim. "Surely not! Those knights in shining armor at the FDA would spring into action to protect us..." Sigh. Yet again, the political powers that should be protecting us are letting us down. And the industrial powers that be are tossing lots of lovely toxic fillers into your vitamin pills. Here are the 5 worst (or most dangerous) things to look for in your dietary supplements. If you find them, don't buy those supplements. Seriously. It's best to avoid a side of carcinogen with your micronutrients. Maybe it's all the junk in vitamins and minerals that leads to the studies questioning whether they actually help us. B vitamins with a side of Red #40 probably aren't

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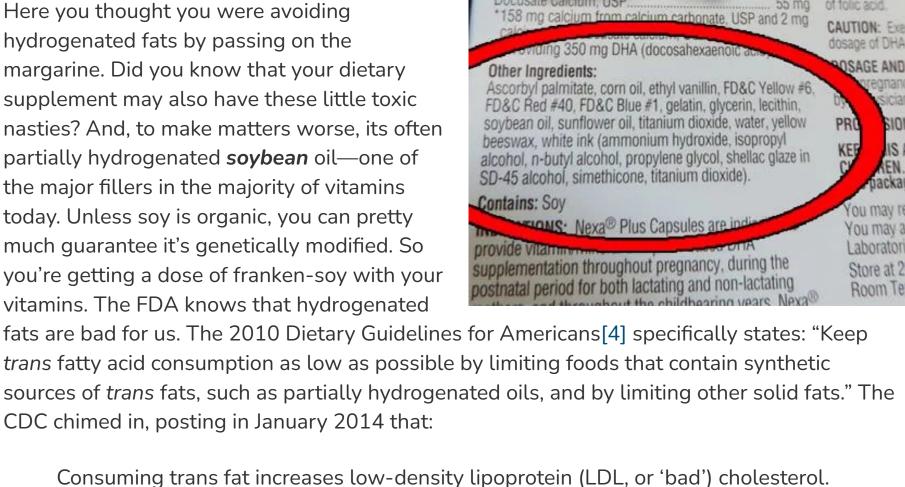
FD&C Blue No. 1

- FD&C Yellow No. 5
- Why, oh why are there artificial colors in your vitamins? The FDA states that these artificial
- enhance colors that occur naturally; provide color to colorless and 'fun' foods." Do we really care if our vitamin pill has a lovely shade of red? Especially considering the FDA itself has

"probed" into the connection between artificial food dyes and children's behavior![2] Red #40 has been linked to hyperactivity and the Center for Science in the Public Interest, among others, wants the FDA to ban artificial food colors. After all, artificial colors in your vitamins serve no function other than making food look more "fun", or even worse, cover up the fact that the active ingredients in the vitamin has been degraded by exposure to light, air, moisture, heat, or poor storage conditions. Additionally, European lawmakers now require a warning label on foods that contain artificial dyes.[3] The label must state: "May have an adverse effect on activity and attention in children." **Dangerous Ingredient** #2: Hydrogenated Oils Here you thought you were avoiding

supplement may also have these little toxic

nasties? And, to make matters worse, its often partially hydrogenated **soybean** oil—one of the major fillers in the majority of vitamins today. Unless soy is organic, you can pretty much guarantee it's genetically modified. So you're getting a dose of franken-soy with your vitamins. The FDA knows that hydrogenated fats are bad for us. The 2010 Dietary Guidelines for Americans[4] specifically states: "Keep trans fatty acid consumption as low as possible by limiting foods that contain synthetic CDC chimed in, posting in January 2014 that:

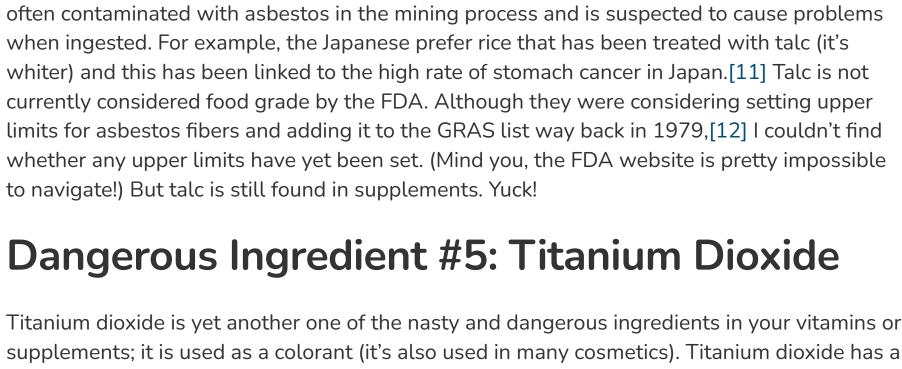


you to avoid them, folks. Dangerous Ingredients #3: Lead, Mercury, & **PCBs**

as good, manufacturers will use cheap nasty fillers to give us bigger horse sized pills. It's up to

led to a lawsuit in California in 2010 claiming that supplement manufacturers should have placed warning labels stating the cancer risk on their fish oil supplements.[9] Testing by

Consumer Reports in 2011 showed 1/3 of the fish oils tested had high PCB levels.[10] What? You don't want a toxic heavy metal or some PCBs with your EFAs today? Then you'd better be careful of what brand of Omega-3 or EFAs you buy. This is not the time to choose the cheap option—make sure that you choose a variety that has been meticulously tested for lead or mercury contaminants. Your best choices should state that they are "Molecularly distilled and acceptable limits set by the Council for Responsible Nutrition and other advisory agencies," or Dangers lurking in your vitamins & supplements: Artificial coloring



containing Titanium dioxide. Yet again, our health is risked so our vitamins can be a pretty

The Solution The big picture solution is to have an FDA that actually prevents toxic materials getting into our food supply (and dietary supplements are a part of that food supply). But since that seems unlikely any time soon, we have to take matters into our own hands: 1. The best solution: Eat certified organic whole foods and take food-based supplements that are tested for heavy metal contamination. 2. Read labels. If you spot any of these nasties in vitamins, take a photo of the label and Tweet it. Tag the manufacturer and store where you found it.

warning labels on foods containing artificial coloring. 6. Research these ingredients at pubmed.com (the National Institute of Health) so you can answer anyone who comments (ignorantly) that these things must be safe if they're in our food and not banned.

5. Write to the FDA asking that they follow the same cautions as Europe, such as their

4. Start a petition to get these ingredients out of our food supply.

cupboard and let us know if you find anything scary! Editors Note: This blog post was originally published in May 2014 and has been updated for accuracy. (December 2016)

Always consult with your primary care physician or naturopathic doctor before making any significant changes to your health and wellness routine. References [1] Human Foods Program. (2024). Summary of Color Additives for Use in the United States. U.S. Food and Drug Administration. https://www.fda.gov/industry/color-additives/summarycolor-additives-use-united-states-foods-drugs-cosmetics-and-medical-devices [2] Fulton, A. (2011). FDA probes link between food dyes, kids' behavior. NPR. Retrieved from

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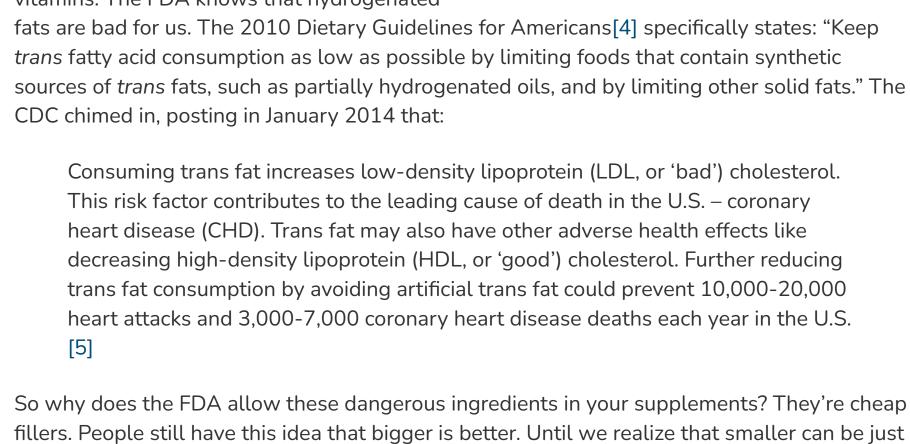
going to lead to an optimal health outcome. **Dangerous Ingredient #1: Artificial Colors** with Plant-Based DHA Take a look at ingredient lists for any of the following synthetic (artificial) food colorings, all approved by the FDA:[1]

FD&C Blue No. 2

FD&C Green No. 3 FD&C Red No. 3

- FD&C Red No. 40
- FD&C Yellow No. 6
- colors in your vitamins are added to: "Offset color loss due to exposure to light, air, temperature extremes, moisture and storage conditions; correct natural variations in color;

hydrogenated fats by passing on the margarine. Did you know that your dietary



Yes, it's true. The same powder your

grandmother used as deodorant can be found

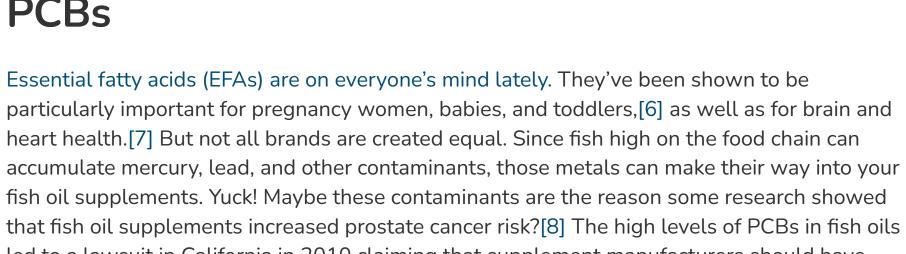
anti-caking agent. Nasty! Magnesium silicate

is similar in composition to asbestos and can

cause lung problems when inhaled (bad news

for the workers who have to mine it). It is also

in many supplements as a cheap filler and



3rd party tested to ensure PCBs, dioxins, mercury, lead and other contaminants are below something similar. Here's an even better option: choose wild fish, pasture raised eggs, or greens for a good dose of Omega-3s! Pinit **Dangerous Ingredient** #4: Talc or Magnesium •Hydrogenated oils **Silicate** •Toxic metals: lead, mercury, PCBs Talc (Magnesium silicate)

•Asbestos

oTitanium dioxide

damage by Titanium dioxide nanoparticles, albeit marginal damage.[15] Just a wee bit of DNA damage with your vitamins. Taken internally, it has been shown to cause kidney damage in mice[16] and to induce small intestine inflammation.[17] This is scary considering how many people suffering from Chrohn's and gluten sensitivity are probably taking supplements color. Very disturbing. Avoid it.

raft of health implications. Titanium dioxide has been shown to cause lung inflammation[13]

and damage, [14] so it's yet another substance that has impact on workers at the production

level. It has also been implicated in immune system function, with some studies showing DNA

3. Go post your photo on the manufacturer's Facebook page asking why those toxic ingredients are there.

- 7. Buy M&Ms in Europe 😉 If we all kick up a bit of a ruckus, manufacturers will take these dangerous ingredients out. Now that you're aware of all these nasty ingredients in your supplements, go check your
- Disclosure of Material Connection: I am the CIO of American College of Healthcare Sciences, the Institution that publishes this blog. However, all opinions are my own. This blog may contain affiliate links. I am disclosing this in accordance with the Federal Trade Commission's 16 CFR, Part 255: "Guides Concerning the Use of Endorsements and Testimonials in Advertising." This article is for informational purposes only. It is not intended to

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