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haaaarder

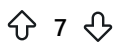
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Dangers of Nichrome

Someone recently told me that using Nichrome is dangerous because it can release chromium fumes. Did a little googling and found that nichrome does release those fumes however I was only able to find info on welding websites, etc.

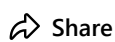
Wondering if anyone knows anything about this when it comes to vaping? Really liking Nichrome :/



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amalyse • 11y ago

Because nichrome only outgasses at temps much higher than we use. Kanthal has chromium in it too. Tell you friend or whatever that if they drive on the freeway with the window open, they are getting much more heavy metal poisoning than you ever will using nichrome to vape with.



6



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caul_of_the_void • 11y ago

Ok, but what about releasing nickel? Could allergy issues be a concern at the temperatures commonly used in vaping? I've been doing a bit of googling on this, and can't find anything conclusive.



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amalyse • 11y ago

Some people are allergic to contact with nickel, not too sure about outgassing. I do know that nickel wire has been tested over and over for different applications. I just don't worry about it, because I don't obsess over safety. Nothing is 100% safe.



4



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Dylan5019 • 11y ago

I'm allergic to nickel and have had no issues. Been on rdas for over a year now.



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wessiide • 11y ago

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**mfdj2** • 11y ago

I'm allergic to nickel. Putting it on my skin for a time will give me a rash. I have no proof but I think it may have been in my first CE4. I left juice in it overnight and tasted metal and would get itchy all over my body when I vaped it. Wasn't sure where the taste was coming from (juice, battery) until I got a new tank.

I will not be touching any nichrome product.

2 Reply Share ...

**caul_of_the_void** • 11y ago

Ok I am allergic too. Been vaping for years and just this past spring started getting some isolated "mystery rashes". I'm using a kanthal RDA as my main setup now, but still use a clearo/spinner rig when on the go...it's just too convenient. Would love to get to the bottom of this.

3 Reply Share ...

**mfdj2** • 11y ago

I doubt we will get to the bottom of anything allergy-bro (did I just say that?). With so many manufacturers, mostly from china where QC is lax, this is a problem we will encounter frequently while vaping. Here is some stuff I do know that might be useful:

Stainless steel contains nickel. Surgical stainless does not. I bet most ego/510 threads contain nickel and will release flakes of it as they break down. Clean the black residue from the threads on the atty and the battery.

When I plan on buying an expensive vape someday, I will contact the MFGs to ask what metals are used on on the unit, mainly where I hold it and at the connector. I will use this link as a reference to determine if there is too much nickel.

<http://www.bosunsupplies.com/StainlessInfo2/>

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**haaaarder** OP • 11y ago

Allergies aren't really a safety concern I don't think. If you're going to try something new you should consider your allergies if you have any and research if need be. Of course I wouldn't want any gases released if possible.

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**abduis** • 10y ago

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burning out. So I think the major concern would be the inhalation of chromium oxide, which does have a high vapor point but is known to cause cancer among other things. [This] (http://www.engr.uconn.edu/~baholmen/docs/ENVE290W/National%20Chromium%20Files%20From%20Luke/Cr%28VI%29%20Handbook/L1608_C06.pdf) goes into affects on page 5 but does not go into the actual temperature when it would be dangerous.

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haaaarder OP • 11y ago

That is what I was thinking actually.

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amalyse • 11y ago

Show him/her the DNA40, with nickel NR wire. Their heads will explode.

⊖ ↑ 6 ↓ ○ Reply ↗ Share ...



haaaarder OP • 11y ago

He claims that he is experienced in this because we works with nichrome as a glass blower. I dunno. Like you said I don't think we're hitting those temps.

⊖ ↑ 1 ↓ ○ Reply ↗ Share ...



[deleted] • 11y ago

Glass blowing also requires much much higher temps than we vape with. Also see DNA40. Spoiler alert. Temperature control makes vaping even safer with device regulation if science does prove that offgassing occurs with our wicks and such.

↑ 4 ↓ ○ Reply ↗ Share ...



divinefrombehind • 11y ago

Nichrome is dope. Edit: to be more helpful, chromium is in kanthal, so if you feel safe vaping kanthal... You get the point. Also nickel wire is the preferred wired for the new dna40 (if you want temp control), and from the interview, it seems evolv is concerned about safety. At the temps we vape, I don't believe nickel or chromium give off fumes that are 'dangerous'

↑ 4 ↓ ○ Reply ↗ Share ...



Stefini32 • 11y ago

Kanthal also has chromium in it but that seems to be the standard in the vape community. I read and forgot where but it takes temperatures higher than our vapes reach to have it give off chromium fumes. I will work on finding my source

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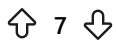
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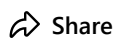
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around my bloodstream.

However, I've noticed little to no decrease in this rash of mine since mainly switching to my RDA setup (Stingray clone with TOBH atty). Now I'm looking at my TOBH and thinking, "hmmm, what's that metal that the deck and posts are made of?" It's bright and shiny, so I guess there's a good chance it's nickel. Shit.

Maybe I'll need to change my setup if I want to keep going with this vaping thing. It would be great if any manufacturers of clearo coil units used kanthal, but to the best of my knowledge, none do. Might be looking into getting a Kayfun next, if that doesn't contain nickel.

Anyway, thanks again for your insight, and good health be with you.

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mfdj2 • 11y ago

Im pretty sure that holding device that is nickel plated would be ok, at least for me. I only have gotten a rash when the metal has been in contact with my skin for awhile. I am certainly concerned about breathing the stuff in though, especially after that day of itching I had. Also, if you are using rebuildables, they can flake and strip where the screws are, I would email the mfg and verify just to be sure.

You are welcome for the info Ohmie!

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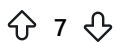
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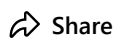
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wessiide • 11y ago

Have you used nichrome during this time? Curious, as I just picked up some nichrome after using kanthal exclusively for over a year.



1



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Dylan5019 • 11y ago

I have not. Only kathal. Which now that I looked it up does not contain nickel.



2



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