



## Electronic Cigarettes (E-Cigarettes)

### Why am I being warned about potential exposure to chemicals in e-cigarettes?



- E-cigarettes typically contain nicotine and other chemicals that are on the [Proposition 65](#) list because they can cause birth defects and other reproductive harm.
- Proposition 65 requires businesses to determine if they must provide a warning about significant exposure to [listed chemicals](#).

### What are e-cigarettes?

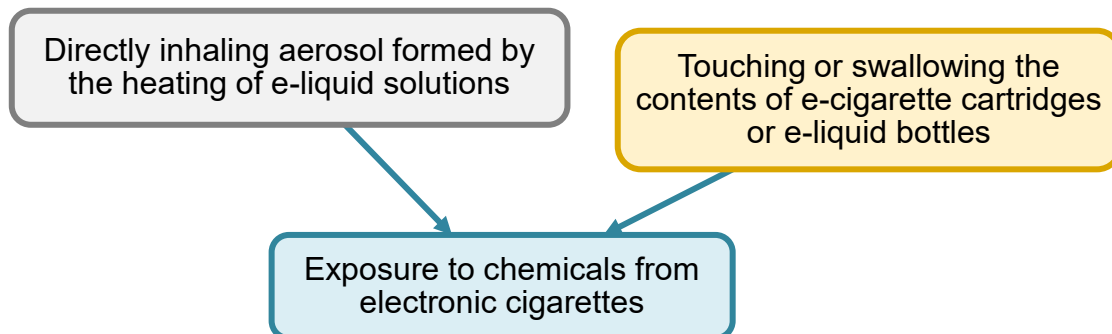
- E-cigarettes, also known as electronic nicotine delivery systems (ENDS), are devices that emit an aerosol containing nicotine and/or other chemicals that is inhaled by users. They include e-cigarettes, e-cigars, e-pipes, e-hookahs, and vape pens.
- E-cigarettes typically use a battery to heat a liquid solution called an e-liquid, while some e-cigarettes heat solid substances such as nicotine salts. This produces an aerosol that can be inhaled without burning tobacco.

### What chemicals do e-cigarettes contain or generate?

- E-liquids typically contain [nicotine](#), which is on the Proposition 65 list.
- When some e-cigarettes are used they can release other chemicals that are on the Proposition 65 list such as [cadmium](#) and [lead](#).

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### How does exposure to Proposition 65-listed chemicals from e-cigarettes occur?



- During pregnancy, nicotine and other chemicals from e-cigarettes can pass from mother to baby.

**How can I reduce my exposure to Proposition 65-listed chemicals from e-cigarettes?**

- ❌ Do not use e-cigarettes. Avoid breathing in air containing e-cigarette aerosol.
- ❌ Do not allow children, including adolescents, to use e-cigarettes, or spend time in places where e-cigarettes are used.
- ❌ Do not use e-cigarettes to quit tobacco smoking. They are not currently approved by the US Food and Drug Administration (FDA) as an aid to help you quit smoking. Choose [FDA-approved cessation aids](#) to help you quit smoking.
- ✓ Choose venues that are free of e-cigarette use. In California, the use of tobacco products, including e-cigarettes, is not allowed in workplaces, public places, restaurants, bars, and state-regulated gambling venues.

**For more information:****General Fact Sheets and Resources**

- California Department of Public Health (CDPH), California Tobacco Control Branch
  - ▶ Electronic Smoking Devices  
<https://www.cdph.ca.gov/Programs/CCDPHP/DCDIC/CTCB/Pages/ElectronicSmokingDevices.aspx>
  - ▶ State Health Officer's Report on E-cigarettes. A Community Health Threat  
<https://www.cdph.ca.gov/Programs/CCDPHP/DCDIC/CTCB/CDPH%20Document%20Library/Policy/ElectronicSmokingDevices/StateHealthEcigReport.pdf>
- US Department of Health and Human Services (HHS)  
US Food and Drug Administration (FDA)
  - ▶ Vaporizers, E-Cigarettes, and other Electronic Nicotine Delivery Systems (ENDS)  
<http://www.fda.gov/TobaccoProducts/Labeling/ProductsIngredientsComponents/ucm456610.htm>
  - ▶ The Facts on the FDA's New Tobacco Rule  
<http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm506676.htm#new>
  - ▶ Want to Quit Smoking? FDA-Approved Products Can Help  
<https://www.fda.gov/consumers/consumer-updates/want-quit-smoking-fda-approved-products-can-help>
- Centers for Disease Control and Prevention (CDC)
  - ▶ E-cigarette Ads and Youth  
<https://www.cdc.gov/vitalsigns/ecigarette-ads/index.html>
  - ▶ Smoking, Pregnancy, and Babies  
<https://www.cdc.gov/tobacco/campaign/tips/diseases/pregnancy.html>
- Office of the US Surgeon General
  - ▶ The Facts on E-cigarette Use among Youth and Young Adults  
<https://e-cigarettes.surgeongeneral.gov/>

- World Health Organization (WHO)
  - ▶ Countries vindicate cautious stance on e-cigarettes  
<http://www.who.int/bulletin/volumes/92/12/14-031214/en/>
  - ▶ Electronic Nicotine Delivery Systems and Electronic Non-Nicotine Delivery Systems (ENDS/ENNDS)  
[http://www.who.int/fctc/cop/cop7/FCTC\\_COP\\_7\\_11\\_EN.pdf](http://www.who.int/fctc/cop/cop7/FCTC_COP_7_11_EN.pdf)

**Proposition 65**

- California Environmental Protection Agency (CalEPA)  
Office of Environmental Health Hazard Assessment (OEHHA)
  - ▶ Proposition 65: Background  
<https://www.p65warnings.ca.gov/faq>
  - ▶ Proposition 65: The List of Chemicals  
<https://www.p65warnings.ca.gov/chemicals>
  - ▶ Proposition 65: Fact Sheets  
<https://www.p65warnings.ca.gov/fact-sheets>