Vaping Devices –

How Parts Function and Cause Harm

**Tank/Cartridge/Pod**
Holds the e-liquid, nearly always contains nicotine. Nicotine harms the developing brain.

**Pods**
Often use nicotine salts (have added acid) to increase nicotine dose and reduce throat hit but may be more addictive.

**E-liquid or E-Juice**
Mix of chemicals and flavoring with nicotine.

**Coil/Atomizer**
Creates the aerosol and may release heavy metals (nickel, tin and lead) that are dangerous to inhale.

**Computer/ Microprocessor**
Activates the battery by pressing a button or inhaling through mouthpiece.

**Wick**
Cotton fiber pulls e-liquid toward the heating coil.

**Battery**
Lithium ion battery heats the coil. Exploding batteries cause severe burns and injuries.

E-liquid Ingredients NOT Listed on the Package
80+ chemicals including known carcinogens

**Nicotine**
- dangerous and highly addictive chemical, can increase in blood pressure, heart rate, blood flow to the heart and narrowing of the arteries

**Propylene glycol (PG)**
- clear, colorless, oily liquid, used to create artificial smoke/fog.

**Vegetable glycerin (VG)**
- considered non-toxic when delivered orally.

**Fine Particulates**
- causes nose, throat and lung irritation, coughing, sneezing, runny nose and shortness of breath, can affect lung function and worsen asthma and heart disease

**Flavorings**
- unregulated for vape products, when heated become carcinogens and cause lung injury

**Volatile organic compounds**
- causes eye, nose and throat irritation, shortness of breath, headaches, fatigue, nausea, dizziness and skin problems are carcinogenic

**Carbonyls**
- (including formaldehyde and acetaldehyde) often created when PG and VG are heated

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