

# How Air-Scenting Products Can Harm Your Pet

We're bombarded with the message that most homes smell embarrassingly bad. Yet, making your home smell like you just walked into a beautiful meadow or pine forest can raise your pet's risk for malignancy and heart and lung disease. Here are the five worst toxic offenders.

Reviewed by [Dr. Becker](#)

## STORY AT-A-GLANCE

- An informal survey conducted by a D.C. news channel shows that veterinarians are aware of the dangers of indoor air-scenting products and recommend they be avoided in households with pets
- The majority of U.S. households use air-scenting products such as air freshener sprays and scented candles
- These products pollute the air inside your home with chemicals that are dangerous for your pets; studies have found harmful chemicals in air fresheners (all types), scented candles, and incense
- Most of the effects of these products aren't immediately obvious and may not even manifest as respiratory issues
- Safe, natural alternatives that freshen the air in your home include pet-safe indoor plants, an air purifier, and diffusing diluted pet-safe essential oils

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In 2023, news channel WUSA9 in Washington, D.C. asked several veterinary experts the question "Do air fresheners pose health risks for pets?"<sup>1</sup> The answer came back loud and clear — yes, they do.

## Vet Experts Weigh In on the Dangers of Air Scenting Products

No matter how attached you are to the air scenting products you use in your home — for example, air freshener sprays, upholstery sprays, plug-ins, gels, candles, or incense — it's important to consider the health risks these products can pose for furry family members.

*"I would say in general, it's good to avoid them," Dr. Sage De Rosa, assistant professor at University of Pennsylvania School of Veterinary Medicine, told WUSA9.*

And according to Heart + Paw veterinarian Dr. Audrey Weaver:

*"Any pet that has a preexisting, you know, lung issue, such as asthma, cancer or any of those things, heart disease, you should avoid using them in the home completely."*

Research from Tufts University shows that some pets will be more sensitive to these chemicals and essential oils than others, including smaller and younger animals, and cats. Diffusers that emit a constant stream of droplets into the air are often problematic, but scented candles and room sprays can cause issues as well.

*"All these air fresheners will contain some kind of scent, and they also contain volatile organic chemicals, which allows them to diffuse in the air," says Dr. E. Murl Bailey Jr., professor at Texas A&M.*

Weaver adds:

*"I've seen in my emergency, pets hospitalized because, you know, the parent was doing some cleaning, all the sprays, all the sprays. And then they get this really bad inflammatory reaction in the lungs and had to be hospitalized, you know, for several days."*

The American Society for the Prevention of Cruelty to Animals (ASPCA) suggests keeping diffusers out of rooms that pets inhabit, especially animals who groom themselves, like feline family members.<sup>2</sup>

It's also important to let your veterinarian know if a health change in your pet coincides with any air scenting product additions or changes in your home. And if your animal begins coughing or develops breathing issues from a fragrance, air the place out right away.

## **Why Chemical Air-Scenting Products Are Not Recommended**

A majority of U.S. households today use a variety of products to scent the indoor air. Some people who use these products are trying to mask odors, while others just want to walk into a home that smells like a beautiful meadow or a pine forest after a rain shower.

TV commercials and other advertising for air-scenting products are everywhere, sending a not-so-subliminal message that most homes smell bad, and fixing the problem with a vanilla-scented candle or air freshener is a harmless solution to an embarrassing problem.

Unfortunately, as appealing as all of these scented products are, they also produce dangerous indoor pollutants that dramatically affect our pets. Over the past decade, scientific research has shown that many household air fresheners contain chemicals that may be harmful.

It's not recommended you use these types of products, especially if you have any type of pet in your home. Birds and cats in particular are highly sensitive to airborne toxins, but if you have any animals in the home at all, avoid these products.

Studies show that children can have as much as 30 times greater exposure to indoor pollutants than adults due to their smaller size and greater activity level. Now, consider these facts:

- Most pets are even smaller than kids
- They tend to spend a lot of time near the floor where all indoor air pollutants eventually wind up
- They groom themselves and each other, which means they're ingesting the pollutant particles that have accumulated on their fur and in the environment

- Many pets spend up to 100% of their time indoors, and are living with very high levels of airborne toxins

These factors combine to put pets at the highest risk of anyone in the household for health conditions related to indoor air pollution.

Even if neither you nor your pets are having symptoms, it's still possible the air fresheners in your home are harming your health. Most of the effects of these products aren't immediately obvious and may not even manifest as respiratory issues. Some people say, "If I was having a problem, my pets or I would have watery eyes. We'd be coughing or wheezing." But that's not always the case.

## Harmful Chemicals Found in Air Fresheners

Air fresheners in both aerosol sprays and plug-ins contain a number of toxic chemicals that are dangerous to your pet's health and yours, including:

- Volatile organic compounds, or VOCs, such as acetone, ethanol, pinene, and acetate, some of which are inherently toxic. When these substances react with the ozone in the air, they generate a range of secondary pollutants such as formaldehyde and ultrafine particles. Ultrafine particles have been linked to heart and lung disease and respiratory problems.

In fact, a 2011 news report released by the American College of Allergy, Asthma and Immunology (ACAAI) linked the VOCs in air fresheners with a 34% increase in health problems in people with asthma.<sup>3</sup>

- Formaldehyde is a known carcinogen that has been definitively linked to cancers of the nose and throat. It is also known to cause ongoing irritation of the throat and airways, leading to secondary infection, nosebleeds, asthma, and other respiratory ailments.
- Naphthalene has been shown to cause inflammation, but as well as tissue damage and cancer in the lungs of rodents.
- Phthalates are linked to a disruption in hormone levels, poor semen quality, birth defects and reproductive harm.
- 1,4-Dichlorobenzene (1,4-DCB) has been linked to compromised lung function and liver cancer in mice.

## Harmful Substances in Scented Candles and Incense

A 2001 EPA study concluded that candles containing fragrance produce more soot. It's possible organic compounds in poor-quality candle wax may increase cancer risk.<sup>4</sup>

Research shows that the chemicals emitted into the air by burning candles can have a harmful effect on human health. Paraffin candles produce toxic chemicals, including alkanes, alkenes, and toluene.

Like air fresheners, scented candles can also contain dangerous chemicals such as formaldehyde and VOCs. Cheaply made candles can contain toxic levels of heavy metals in the wicks. When one of these candles burns, the lead particles are released into the air. Frequent use of these candles could contribute to the development of health conditions such as asthma, allergies, and cancer.

Research shows that burning incense can be dangerous to human health, and a 2015 study even suggested it's much worse than inhaling cigarette smoke.<sup>5</sup> Incense smoke is mutagenic, meaning it can cause mutations in DNA that can lead to cancer.

In the 2015 study, incense was found to be more toxic to cells and DNA than cigarette smoke. Of the 65 compounds identified in incense smoke, 2 were determined to be highly toxic.

## **Natural Alternatives to Keep Your Home Smelling Fresh**

One of the best ways to freshen up the air in your home is to simply open the windows when weather allows. Also consider adding some pet-safe indoor plants. Common houseplants can help clean the air by using their natural ability to absorb toxins through their leaves and roots and turn them into nutrients.

It's also strongly recommended to invest in an indoor air purifier, which can provide long-term benefits to both you and your pets.

To add a natural scent to your home, you can simmer some mint tea or cinnamon in water in a saucepan on the stove or grind up a fresh orange. Here's another tip — dilute and water-diffuse pet-safe essential oils in one room of your home. They smell wonderful and are nontoxic.

It's a nice all-natural way to keep your home smelling fresh and clean while eliminating toxic products from your life.

### **Sources and References**

<sup>1</sup> [WUSA9, July 12, 2023](#)

<sup>2</sup> [ASPCA Pro, Are Essential Oils Dangerous to Pets?](#)

<sup>3</sup> [American College of Allergy, Asthma and Immunology, October 26, 2011](#)

<sup>4</sup> [EPA Research and Development, January 2001](#)

<sup>5</sup> [Environmental Chemistry Letters, December 2015, Volume 13, Issue 4, Pages 465-471](#)

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