

Debra Lynn Dadd



ZERO TOXICS PRODUCT REGISTRY

Materials Disclosure Statement
for
EnviroKlenz Breathing Mask for Pollution

EnviroKlenz



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ZERO TOXICS PRODUCT REGISTRY

Registration of Toxic Free Product
for

EnviroKlenz Breathing Mask for Pollution

EnviroKlenz | Fort Myers FL 33907 USA | EnviroKlenz.com

Valid from 12/1/18 to 12/1/19

This Registration applies to the following EnviroKlenz products:

- **EnviroKlenz Breathing Mask for Pollution**

I have asked the manufacturer for a list of all materials used, and the manufacturer has acknowledged that all materials have been provided for my review.

By submitting products to the **Zero Toxics Product Registry** and paying the fees to be listed here, the manufacturer confirms that they are acting in accordance with federal Truth in Advertising laws and all information about materials is true and correct to the best of their knowledge.

After examining EnviroKlenz products, reviewing their website and certifications, and speaking with the owners and staff, I have concluded that the products listed in this Materials Disclosure Statement are made from toxic-free materials.

Therefore, I hereby register the product in this Materials Disclosure Statement to the Zero Toxics Product Registry as “toxic-free” and unlikely to do harm to the consumer under normal use.

Debra Lynn Dadd

DISCLAIMER

The purpose of this Materials Disclosure Statement is simply to make known that the products named are unlikely to do harm to the user of the products, under normal use, to the best of my knowledge. I speak not as a scientist or toxicologist, but as an educated consumer and experienced toxic-free product expert. I am not a medical doctor and I am not giving medical advice. My intent in providing this Materials Disclosure Statement is simply to offer you information that may help you as you make your own choices to eliminate toxic exposures from your home.

THE ENVIROKLENZ COMMITMENT TO IMPROVING INDOOR AIR QUALITY BY EFFECTIVELY ELIMINATING TOXIC POLLUTANTS

EnviroKlenz is a line of products specifically designed to remove odors and chemical pollutants from air spaces, surfaces, and contents in the home. It was inspired by the special needs of people with Multiple Chemical Sensitivities (MCS), who require a home environment as free from toxic chemicals as possible.

All of the EnviroKlenz products incorporate a “destruction adsorption technology” that uses natural minerals to irreversibly capture and destroy toxic chemical pollutants and offending odors—safely and effectively—without releasing any harmful chemicals, masking agents or fragrances into the home.

I first became aware of this destruction adsorption technology around 2000 in another product with the brand name OdorKlenz. I was interested in this product because it could remove odors and chemicals not just by capturing them, but by *making the chemicals completely disappear*. When I introduced OdorKlenz to my readers, they loved it because it could remove perfume and tobacco smoke from clothing.

Timilon is a company that acquires technologies and finds ways to make them into products that can help consumers. Timilon was aware of this technology and when it became available for acquisition, they purchased it.

Timilon could see that their destruction adsorption technology could make a life-changing difference for people whose health depends on clean indoor air quality. They are particularly interested in what they call *critical environments*, where children, elderly, and chemically-sensitive people are living. They wanted to use their technology to make those critical environments much more suited for their inhabitants.

Prior to being acquired by Timilon, the company that developed the technology was focused primarily on using metal oxides for the destruction of the most harmful and toxic types of chemicals, like chemical warfare agents.

When Hurricane Katrina devastated New Orleans in 2005, a team took this technology to Louisiana to help with the clean-up. Their products worked so well in that disaster environment that the company began to start expanding beyond just military-grade chemicals to more common occurrence chemicals found in homes.

When the OdorKlenz Laundry Additive was initially launched, people with MCS found it and loved it. And from all the stories received from people with MCS about how the products changed their lives, Timilon developed EnviroKlenz, specifically to remove the toxic chemicals and odors found in homes, and to meet the needs of those with MCS.

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MATERIALS DISCLOSURE

EnviroKlenz products eliminate chemical pollutants and odors with a unique technology based on earth minerals that works through a process called adsorptive neutralization.

When an EnviroKlenz product comes into contact with chemical pollutants in circulating air or on a surface, the product's chemistry:

- attaches to and reacts with the pollutant, and
- chemically interacts to adsorb, breakdown and or neutralize the pollutant.

The irreversible result is

- safer byproduct and
- the elimination of the unpleasant and potentially dangerous odors associated with the starting pollutant(s)

Metal Oxides

The active ingredient in each EnviroKlenz product is a specific combination of their proprietary metal oxides powders, each combined to achieve the right balance to suit the desired application:

- Magnesium Oxide (MgO)
- Zinc Oxide (ZnO)
- Titanium Dioxide (TiO₂)

Magnesium, zinc and titanium are all natural earth elements that appear on the Periodic Table of Elements. These are primary constituents of matter that cannot be chemically interconverted or broken down into simpler substances.

An oxide is a [chemical compound](#) that contains at least one [oxygen](#) atom and one other element. Most of the [Earth's crust](#) consists of oxides, the result of elements being oxidized by the oxygen in air or in water.

Proprietary Process

The unique production processes used to make the proprietary metal oxide powders yield materials that have broad chemical neutralization abilities.

These patented processes enhance the neutralizing ability of these materials, without additives and unnecessary compounds that may be problematic for chemically sensitive individuals.

The metal oxides in their natural state will absorb chemicals right out of the air. EnviroKlenz places them into systems like HVAC filters, air filters, or powders, granules, and liquids, which can much more actively bring the toxic chemicals and odors to the material. This increases the removal and the elimination efficiency of the metal oxides.

A material that 'absorbs' simply pulls the chemical into its pores and stores it there. This is what happens with carbon and general absorbents. They hold onto a pollutant, but they can release it just as easily.

During the process of adsorptive neutralization, a chemical reaction takes place. The different atoms and molecules want to be paired up with other chemicals. But the atoms that are on the surface of things or on the corners or edges, don't have as many neighbors. The atoms at the middle of the molecule have friends all around them – left, right, back, up, down. When the surface area is increased to have more corners and edges, then a molecule has more active sites available to grab onto a toxic chemical or a noxious odor and then break it up with the chemical reaction.

That's what makes the adsorption neutralization technology really different. They are combining absorption technology with high surface area materials, so the metal oxides can seek out, grab chemicals, react with them, break them down or neutralize them and retain them on the surface of our material. This eliminates the chemical completely. It just breaks down into basic building blocks of nature.

To learn more about how the adsorptive neutralization technology works to destroy specific chemicals, see [EnviroKlenz Process Guarantee & Technical Information](#), provided on their website.

Safety Testing

Extensive safety testing has been conducted on the metal oxide powders. The metal oxides are earth minerals that are generally regarded as safe and often used in wall paints (titanium oxide), as food additives (magnesium oxide), in medicinal and baby products (zinc oxide), in toothpaste (titanium dioxide), and in sunscreens and popular cosmetics (titanium dioxide and zinc oxide).

During development, independent certified laboratories (U.S. Army Public Health Command and MPI Research) conducted evaluations of the EnviroKlenz core chemistry for health and safety risks following U.S. Environmental Protection Agency protocols and found the materials to be safe.

Safety testing included:

- acute and chronic oral toxicity
- dermal toxicity
- skin irritation
- skin sensitization
- eye irritation
- and inhalation.

The materials are divided by function, so the user can get a feel of their volume and importance, where the user might have direct contact with them, and where the materials would be inside and away from the user. Some materials are present only in minute amounts, such as thread or a bit of padding or a clip. These are included because even though they may be insignificant to most people, for those who are individually sensitive to these materials, their presence may be highly problematic. Evaluation of toxicity for the purpose of this statement is based on toxicological data and not individual tolerance. Use your own judgement to determine what is right for your own body.

“Functional Accessories” are things added that have a specific purpose in order to make the product useful. Without them, the main materials don’t function as the useful product. In this Materials Disclosure Statement they are called GOTS NONTOXIC ACCESSORIES and meet the GOTS requirements.

ACTIVE MEDIA
Proprietary Metal Oxide Powder: <ul style="list-style-type: none">• Magnesium Oxide (MgO)• Zinc Oxide (ZnO)• Titanium Dioxide (TiO₂)
FUNCTIONAL ACCESSORIES
Dark Blue Material: 100% Polypropylene
Active Filter Material Layer: 100% Polypropylene
White Material: 100% Polypropylene
Holding Elastic: White Cotton with Lycra , 100% free of Latex

Nose Barrette "M" Shape: Molded Soft [Aluminum](#)

Foam Nose Cushion: 100% [Polyurethane](#)

PACKAGING

Heat sealed [polyethylene](#) bag.

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This EnviroKlenz product is "Made in the USA" in Kansas.

Some raw materials come from overseas but are substantially changed into new materials in the USA.

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for more information on toxic-free products, please visit

ZeroToxics.com

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