



UNITECH

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ODOUR CONTROL SYSTEMS

ODOR REMOVAL

WHAT IS AVEHO - ODOR REMOVAL TECHNOLOGY?

Aveho Odor Removal Technology is an engineered material consisting of micro-sized particles that capture and physically bind odor-causing compounds, or catalytically convert the odor molecules into non-odorous molecules. Impressive huh? For those of you technically-challenged folks out there, here's a translation: Aveho is really cool, really tiny stuff that makes stink go away forever!

HOW DOES IT WORK?

Aveho® Odor Removal Technology mimics processes found in nature, where there are strong bonds between metal atoms and amino acids. These amino acids can break down to form numerous odors. Aveho interacts with these odors through its natural tendency to bind with nitrogen, oxygen and sulfur (the smelliest stuff in the world). This interaction removes the odors from the air. If you have a nose, Aveho technology can meet your odor removal needs. It can be used in a wide variety of applications.

Key Advantages

- Capable of removing target odors, without affecting most desired scents
- More capacity than activated carbon in most applications
- Scientifically eliminates odors in air and liquids
- Removes odors without adding any fragrance
- Does not release odors due to moisture or heat



POTENTIAL PRODUCT APPLICATIONS

Aveho® Odor Removal Technology is very versatile and can be used to treat any number of areas. Some possible examples include:

- The refrigerator - Aveho odor removal was demonstrated in laboratory testing to outperform sodium bicarbonate (baking soda) for removing odors generated in the refrigerator (but you really should throw that pizza away – it's not getting any younger).
- The trash can - Spray Aveho odor removal under the lid, along the sidewalls, or onto the trash itself.
- Feet – Sneakers, locker rooms, gyms, yoga studios, bowling alleys, skating rinks, martial arts dojos, and the list goes on. All of them are huge targets for stinky feet! Aveho odor removal was evaluated on a key chemical compound responsible for foot odor. Please contact us for further study details.
- Pets – If you're a crazy cat lady then you probably don't notice. But for the rest of us, Aveho odor removal is the perfect solution for malodors from cat litter boxes, bedding, wet dogs, and areas they aren't supposed to use as a toilet, but do anyway. Please contact us for further details.
- Smoke – Odors from the smoke of cigarettes, cigars, house fires, camp fires and other sources can be quickly and permanently removed by Aveho. So go ahead and light one up right next to those fancy-schmancy curtains in that fancy-schmancy room that never gets used. No one will ever know.
- Body – Whether it's your turn to car pool the soccer team to and from practice this week, your locker room has reached dangerously funky levels or you've got teenagers (we won't delve into what that entails), Aveho will "clear the air" and eliminate body odors from fabrics, spaces and containers.

HOW DOES AVEHO® COMPARE TO ANTIMICROBIALS?

Antimicrobial chemicals, aka antimicrobials, are designed to kill microbes. It has been shown that not all microbes are bad. In fact, many microbes are good, and help us stay safe and healthy (some hang out in your ears and whisper things like "drink more water" and "do some deep knee bends"). When antimicrobials are used, they destroy the organisms that produce bad odors, and thus, if the microbes are dead, they can't keep stinking things up (although you would think that rotting microbe carcasses would produce a stink of their own). However, these chemicals may also kill the microbes we want to keep around. Microbes create unpleasant odors when they excrete what they have eaten. (Except they don't use toilets – savages). Aveho targets the resulting unpleasant odors, but does not target the microbes themselves. Many odors (smoke, some rotting food, pet odors, some body odors, etc.) are not derived from microbes. So antimicrobials have no effect on these type of odors. Aveho eliminates bad odors whether or not they were caused by microbes.

HOW DOES AVEHO® COMPARE TO FRAGRANCE-BASED ODOR FIGHTING PRODUCTS?

Many products that are considered odor eliminators, like air fresheners, do not eliminate bad odors at all. Instead, they mask or attempt to mask the bad odors with "pleasant" fragrances. Because everyone has a unique sense of smell, not everyone can agree on which fragrances are pleasant (except maybe bacon), and which are less pleasant or simply not desirable at all. And because we all smell things differently, the same masking fragrance may or may not cover up the bad smells we sense with our own nose.



HOW DOES AVEHO® COMPARE TO BAKING SODA AND ACTIVATED CARBON?

Baking soda and activated carbon both absorb a large variety of smells. Which is great assuming those are all bad/unwanted smells? In fact, activated carbon absorbs both bad and good odors. Because these odor absorbers attract so many different odors, it is easy for their capacity to be used up quickly. This means a significant quantity of baking soda or activated carbon would be required to eliminate a specific, very stinky odor and would have to be changed out often. Aveho is selective odor elimination technology. Different classes of bad odors, whether based in sulfur, nitrogen or oxygen, are specifically targeted by different types of Aveho. This means Aveho won't get used up as quickly as baking soda or carbon, and has the potential to continue to eliminate bad odors as they are generated. Aveho also won't absorb most positive fragrances, if you choose to introduce them. So if it's "Pure Vanilla Joy" that you want, "Pure Vanilla Joy" is what you will get.



HOW DOES AVEHO® COMPARE TO ANTIMICROBIALS?

Aveho odor control technology is an engineered material consisting of micro-sized particles that capture and physically bind odor-causing compounds or catalytically convert the odor molecules into non-odorous molecules. Aveho™ odor control technology mimics processes found in nature, where there are strong bonds between metal atoms and amino acids. These amino acids can break down to form numerous odors. Aveho interacts with these odors through its natural tendency to bind with nitrogen, oxygen and sulfur. This interaction removes the odors from the air.

Whether at home, on the go, at work or any place where odors are found, Aveho™ can be used to control them.

DIRECTIONS

Direct Treatment: Apply directly to odor source	Indirect Treatment: Apply to a permeable article placed near the odor source	Diluted Treatment: Add to liquid where a large surface area is being cleaned
<ol style="list-style-type: none"> 1. Shake well. 2. Spray enough to lightly cover an offensive surface with Aveho™ Odor Removal Technology or a surface that is near a malodor. Over-spraying on dark surfaces may create a light, whitish color. 3. Allow the product to air dry. Dry time varies depending on air circulation. 	<ol style="list-style-type: none"> 1. Shake well. 2. Generously spray a permeable article (i.e. fabric, paper towel) with Aveho. 3. Once dry, place the treated article in, on or near the odor source. 	<ol style="list-style-type: none"> 1. Shake well. 2. Start with 1 part Aveho to 15 parts water or liquid. Adjust the ratio up or down based on real world experience and testing. 3. Apply the liquid treated with Aveho, onto any surface. This will leave a layer of odor removing particles once dry.

- If after 48-24 hours the odor is still present, verify the odor source and repeat application process.
- Keep the product away from children and pets and do not allow pets onto the treated area.
- Always test surfaces to be treated for color fastness by applying to a hidden area first.

INDUSTRIAL USE ONLY

Aveho™ Odor Removal Technology is not hazardous in accordance with US OSHA 29CFR1910.1200 (Hazcon 2012), Canada Hazardous Products Regulations (WHMIS 2015), Regulation (EC) No. 1272/2008 and the Globally Harmonized System (GHS). EUH210: Safety data sheet available on request.

ODOR COMPOUNDS	ODOR SOURCES									
	Fish	Garlic/ Onion	Garbage	Tobacco	Dog	Fresh Urine	Aged Urine	Feces	Menses	Feet
Sulfur Compounds	xx	xxx	xxx		xx	xxx	xx	xxx	x	x
Acids			xxx	xx						xxx
Ketones Aldehydes	xx			xx		x	x		xx	
Amines	x				xxx	x	x		xx	
Ammonia				x	x		xxx			

x= small component xx= moderate component xxx= large component



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