

# Fresh Wave IAQ M130 Odor Doc vs. Ozone Machines



Organizations require a quick and effective method for removing odor molecules from a broad range of materials in hotel rooms, offices, dormitories, hospital rooms, and other large commercial spaces, including hard (wall board, plaster) and soft (carpeting, upholstery) surfaces.

Until recently, Ozone Machines were the only solution available to facilities professionals, but the arrival of the Fresh Wave IAQ M130 Odor Doc – a safe, effective method for complete odor elimination – has changed things forever.

## Fresh Wave IAQ M130 Odor Doc

The Fresh Wave IAQ M130 Odor Doc from OMI Industries was developed to provide a “dry” dispersion system for efficient and safe application of Fresh Wave IAQ Air & Surface Liquid, a non-toxic, non-hazardous natural odor eliminator. Minute dry vapor particles eliminate malodors on fabrics and surfaces as well as in the air, penetrating deep into carpets and upholstery, draperies and bedding, wallboard, and other surfaces.

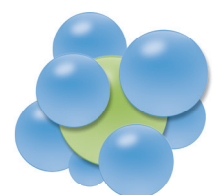


## Our Science

Fresh Wave IAQ Air & Surface Liquid is engineered from a proprietary blend of natural ingredients – plant oils and water – making it environmentally friendly and safe to use.

The science behind Fresh Wave IAQ is based on four simple-yet-effective principles:

- 1. Contact:** Fresh Wave IAQ molecules released into the air make contact with malodor molecules via opposing electrostatic charges and random contact
- 2. Absorption:** Fresh Wave IAQ molecules absorb and destroy odors on a molecular level
- 3. Solubility:** Fresh Wave IAQ enhances the solubility of most gases
- 4. Reaction:** Fresh Wave IAQ modifies the malodor molecule to a non-odorous state.



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	Fresh Wave IAQ M130 Odor Doc	Ozone
<b>Safety</b>	<ul style="list-style-type: none"> <li>• Made with plant oils, food-grade surfactant, and water</li> <li>• Free from harsh chemicals and synthetic masking fragrances</li> <li>• Non-toxic and readily biodegradable</li> <li>• Classified non-hazardous under the Global Harmonized System (GHS)</li> <li>• Fresh Wave IAQ Air &amp; Surface Liquid HMIS: Health – 0, Flammability – 0, Reactivity – 0</li> </ul>	<ul style="list-style-type: none"> <li>• Highly reactive, toxic gas</li> <li>• Reactive with molecules in the air, and a potential to form harmful byproducts</li> <li>• Pungent smell</li> <li>• Potential for life-threatening illness caused by long periods of exposure (U.S. EPA, 1996a, 1996b)</li> </ul>
<b>Ease</b>	<ul style="list-style-type: none"> <li>• Highly portable</li> <li>• Simple “plug and play” operation</li> <li>• Product output can be controlled, low to high</li> <li>• Run timer can be set for truly effortless use</li> </ul>	<ul style="list-style-type: none"> <li>• Cumbersome operation and mixture</li> </ul>
<b>Effectiveness</b>	<ul style="list-style-type: none"> <li>• Eliminates odors quickly</li> <li>• Output intensity can be matched to odor severity</li> <li>• Sub-micron size Fresh Wave IAQ particles provide more effective surface penetration over a greater surface area</li> </ul>	<ul style="list-style-type: none"> <li>• Only works at high concentrations, which are considered harmful to public health by EPA, OSHA, and FDA</li> </ul>
<b>Efficiency</b>	<ul style="list-style-type: none"> <li>• Operational while crews are working in the space – no stoppage of work is necessary</li> </ul>	<ul style="list-style-type: none"> <li>• Area of operation must be free of all forms of life</li> </ul>

The Environmental Protection Agency (EPA) has dedicated much time and effort detailing the harmful effects of Ozone Machines, and the health risks associated with exposure for any duration. More information on the EPA’s findings related to Ozone Machines related to indoor air quality and human safety can be found by visiting <http://www.epa.gov/iaq/pubs/ozonegen.html>

Conversely, Fresh Wave IAQ products have been recognized by the EPA’s “Design for the Environment” program for safer chemistry. Because Fresh Wave IAQ products are made with natural ingredients and completely safe, they can be used anywhere, anytime, even near children, pets, and individuals with compromised immune systems.

DfE Recognition: The Fresh Wave IAQ Air & Surface Liquid has earned the Environmental Protection Agency’s (EPA) Design for the Environment (DfE) recognition. The DfE label program recognizes products that are safe for use and for the environment. The science behind Fresh Wave IAQ products, OMI’s Ecosorb, has been tested, patented and proven to be effective by members of academia, as well as by third-party organizations such as American Foundrymen’s Society, German Foundry Institute and the Southern Petroleum Institute.



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