



# Piian Odor Neutralizer

All Natural Odor Neutralizing Agent for Wastewater Treatment, Landfills and Compost Sites.

## Quick Overview

### **An All Natural Original – Worlds First All Natural Industrial Odor Neutralizer.**

Piian Odor Neutralizer is a revolution in industrial odor control, developed in our own laboratories and first introduced over 25 years ago. At that time it was the world's first all-natural broad spectrum industrial odor neutralizing agent. Subsequently copied and mimicked many times, yet it remains most effective and the safest with the longest track record.

### **Not a Perfume, Not a Masking Agent – Fragrances Do Not Work.**

When atomized into an odorous environment, Piian Odor Neutralizer absorbs then destroys malodors to leave a neutral odor balance – when used in the right proportion you will smell nothing, neither the mild floral aroma of the product nor the malodors in the environment.

### **Performance Tested By Independent Laboratories.**

Don't take our word for it, independent laboratories test results are available to confirm our products odor eliminating action.

### **Proof That It Works.**

We can supply many references to confirm our products superior track record in reducing / eliminating the incidence of odor complaints. It has been successfully used in a wide variety of wastewater, solid waste, compost and remediation applications for over 25 years.

### **Quality - Made From Completely Safe All Natural Ingredients.**

Piian Odor Neutralizer is a proprietary blend of naturally occurring plant extracts and essential oils – made from the best stuff on earth, no synthetics, no enzymes, no alcohols and no artificial components. Every ingredient used in the manufacturer of Piian Odor Neutralizer is food or pharmaceutical grade. Every ingredient is considered GRAS. All ingredients are widely consumed as part of the human food chain.

### **Important Safety Criteria.**

Piian Odor Neutralizer exceeds all regulatory safety requirements. It has been independently tested and complies with EPA Guidelines 81-1,2,3,4,5,6. Its LD<sub>50</sub> rating = 0. It is USDA approved. It has been approved for export / import in over 30 countries.

### **Lower Cost**

Piian Odor Neutralizer is a more effective, safer and lower cost alternative to masking agents and dangerous chemicals typically used for industrial and commercial odor control.

### **Easy To Handle**

Piian Odor Neutralizer is non-hazardous, non-sensitizing, non-irritating, non-allergenic and contains no enzymes. It is non-flammable, considered normal and stable; spills may be simply flushed to drain

### **Environmentally Friendly**

Piian Odor Neutralizer is completely biodegradable, ecologically safe and presents no threat to animal or aquatic life.

### **Unique Method of Operation**

**Primary Operation** - When atomized into an odorous environment, tiny molecules of Piian Odor Neutralizer attach to then form a cluster around odorous compounds, malodors are immediately rendered imperceptible. This is followed by full absorption of the odorous compound into the cluster.

The attachment and clustering properties of Piian Odor Neutralizer is based upon the Theory of Van Der Waals Forces which states that there is a unique attraction between molecules, based on the momentary uneven distribution of the electron density of the molecule.

The odor neutralizing properties of Piian Odor Neutralizer is a real world example of the Zwaardemakers Theory, which states that two or more odors (or scents) when bonded can cancel each other out and become imperceptible.

**Secondary Operation** - Due to its increased mass, the cluster formed by this process settles out of the air and statically bonds to other surfaces. The components of the Piian Odor Neutralizer formula specifically act as a catalyst to accelerate natural biodegradation of the odorous compounds. The components of the formula hold the odorous compound within the cluster until odor degradation process is completed where upon they subsequently bio-degrade.

**Broad Spectrum Process** - Piian Odor Neutralizer is broad spectrum in nature meaning it is manufactured with a range of active ingredients that will destroy the complete range of common odorous gases that cause an odor problem. As is the case in most odor situations, there is a combination of odorous gases creating a problem, rather than using several types of gas specific neutralizers, Piian Odor Neutralizer simplifies the odor control process by adjusting its operation to accommodate the odor spectrum in each circumstance