

Selected products for the solid waste industry.



Odor Neutralizers and Reactants

Engineered odor control solutions for atomizing/fogging/misting applications.

<i>AirSolution # 115</i>	A highly concentrated broad spectrum odor neutralizer proven effective for a wide range of solid waste odors. Contains a blend of two unique AirSolution formulations for enhanced performance and cost efficiency.
<i>AirSolution # 9149</i>	Developed specifically to combat odors from composting and sludges. Cost effective and highly concentrated for large area applications.
<i>AirSolution # 9204</i>	Premium grade odor neutralizers combine to provide excellent performance in a wide range of applications including solid waste, food processing, grease waste, industrial, and petrochemical odors.
<i>AirSolution # 9304</i>	The premier formulation for wastewater treatment. AirSolution # 9304 (Phantom 4) is a patented formula that has been used for over 25 years in countless applications to combat a wide range of wastewater odors from leachate sources. Available in concentrate and super concentrate.
<i>AirSolution # H310</i>	Designed to reduce H ₂ S levels in airborne applications. Used as an additive to other AirSolution formulations. Reacts with low level hydrogen sulphide (up to 10 ppm). Safe to use, handle and store.
<i>AirSolution # A320</i>	Designed to reduce NH ₃ levels in airborne applications. Used as an additive to other AirSolution formulations. Reacts with low level ammonia (up to 20 ppm). Safe to use, handle and store.
<i>AirSolution XP200</i>	An oil based, acid formulation containing aldehydes and alcohols. XP 200 successfully reduces the concentration and intensity of organic nuisance odors from organic sewage, sludge, grit, screenings, processing waste and grease,

- over 80 different AirSolution formulations are available. Please contact your local representative for assistance with selecting the appropriate formulation(s) for your application.



Odor Suppressants and Additives

Micronutrient based formulations for suppressing odor generation from biological processes.

<i>BioStreme # 101</i>	Selected micronutrients and organic additives combined to enhance biological processes and reduce odor generation from composting operations. May be incorporated into the compost and feedstock or applied directly to the surface of the piles and windrows.
<i>BioStreme # 111</i>	A concentrated blend of micronutrients and odor neutralizers for topical applications onto surfaces or waste materials producing odors. The dual action provides immediate relief and long term odor control.
<i>BioStreme # 111F</i>	Similar to BioStreme 111 but also includes a powerful foaming agent to provide enhanced coverage and contact time. May be applied using AirStreme foaming equipment. Excellent for use on aerated lagoons and ponds for immediate odor control. Simple and cost effective.
<i>BioStreme # 201</i>	Engineered micronutrient blend specifically designed to enhance microbial activity of wastewater treatment processes. Stimulates growth and reproduction of beneficial non-odor producing facultative bacteria. Reduces bacterial stress and generation of odors from a variety of wastewaters.
<i>BioStreme # 222</i>	Proprietary blend of metal salts and organic additives for the precipitation of sulphide ions in wastewaters. Cost effectively reduces total suspended solids and odor generation in leachate ponds and lagoons.



Automated Misting Systems

A wide range of atomizing/fogging/misting systems and other application equipment for dispensing or applying AirSolution and BioStreme formulations.

<i>AirStreme AMS</i>	Mid pressure (200 psi) misting systems for commercial and light industrial applications. Includes a technologically advanced programmable timer with user interface and multiple inputs to handle a wide variety of operational requirements. For applications up to 50 nozzles.
<i>AirStreme AEP</i>	Mid pressure (200 psi) misting systems for industrial applications. Rugged and durable with easily programmable functions, low level shut off and cooling fans for extended operation in harsh environments. For applications up to 150 nozzles.
<i>AirStremePro MistPro</i>	Professional Series Mid pressure (200 psi) misting system. Unique integrated design offers enhanced protection of its components and dependability for years of extended operations. Available with customized programming features and a wide variety of pump sizes to suit applications up to 200 nozzles. Includes coated aluminum stand and cover.
<i>AirStremePro LMC</i>	Professional Series High pressure (800 psi) misting/fogging system. Includes premium components, customizable programming features and integrated stainless steel stand. High performance, dependable, accurate and effective. Ideal for large areas and perimeters up to 300 nozzles.

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The Leader in Odor Control systems, service and solutions.



ODOR CONTROL FOR THE SOLID WASTE INDUSTRY

www.ecolo.com



Odor Control Specialists for Today's Environment

Welcome to the most **extensive array of odor control systems and solutions for Commercial, Municipal and Industrial applications.** At Ecolo we strive to provide products and services that meet the individual needs of our customers. With more than 80 unique formulations and engineered application systems at our disposal, we are confident that we can assist you with all your odor control needs.

About Ecolo

Ecolo began in 1973 as Ecolo Worldwide, a privately held Canadian company focused on providing odor control products and services to local markets. From its inception the company grew to an internationally recognized leader specializing in the odor control field. In 2001, the company expanded once again through the acquisition of NuTech Environmental, a U.S. based leader in industrial odor control equipment and solutions.

Today the Ecolo brand has more recognized domestically and internationally than ever before. With a global network of over 100 distributors servicing customers in more than 40 countries makes Ecolo the specified leader in Odor Control Technologies.

Quality Service

For more than 20 years, **HLS Ecolo customers have bought with confidence**, selecting from among the finest, most reliable products available while receiving unparalleled customer service. At HLS Ecolo we pride ourselves on our ability to provide efficient and effective solutions for our customers. Our customers remain the focus of our business across all departments and divisions from research and development to order fulfillment. It is through this relationship and strict code of ethics that we continue to grow and develop new relationships.



Systems

Our complete line of application systems, related parts and accessories have been specifically engineered to apply our solutions and can be adapted to meet the requirements of your site.

• **Misting/Fogging Systems**

• **Topical Applicators**

• **Foaming**



Solutions

A collection of more than 80 different formulations are available to address the needs of a variety of odor issues. Our team of trained professionals can work with you to provide the optimum formula for your specific needs.

• **Neutralizers**

• **Reactants**

• **Suppressants**

Landfills ▼

Effectively and economically reduce off-site odor complaints by misting/fogging AirSolution odor neutralizers along fence lines or from extended poles at the working face and along the perimeter of the affected area.



Recycling Centers ▼

Effectively and economically reduce off-site and employee odor complaints by misting/fogging AirSolution odor neutralizers above and around the affected area.



Transfer Stations ▶

Neutralize airborne odors by misting/fogging AirSolution around tipping floors and compacting sites. Suppress odor generation from waste storage and processing areas using BioStreme micronutrient formulations.



Composting ◀

compost windrows and processing areas using BioStreme micronutrient formulations. Neutralize airborne odors by misting/fogging AirSolution around processing and storage sites

Leachate ▶

Lagoons and tanks create a unique set of odor control requirements. Ecolo offers a full range of neutralizers, reactants and biological odor suppressants to meet the specific odor control needs of these systems.

