



AC-S Probiotic HVAC Coil Spray

Ready-To-Use Probiotic Biosurfactant Protective Coil Spray with True Clean Technology™



ZBS/AC-S/001G
Patent Pending

Uses:

- Ideal for use with (Ultra Low Volume) Fogger equipment as a fine mist
- Can also be used with Electrostatic Spray equipment
- Ideal as the final step in environmental HVAC Coil, AHU and Duct Restorative Maintenance protocols.
- Suitable for ongoing Preventative Maintenance protocols to maintain performance.
- Excellent at eliminating odors such as Dirty Sock.

Dilution Rates:

- Ready-To-Use – DO NOT DILUTE

Storage & Handling:

- Store away from direct sunlight
- Store between 36°F and 110°F
- Do not allow to freeze

AC-S Probiotic Biosurfactant Protective HVAC Coil Spray is a concentrated Ready-To-Use (RTU) misting product that addresses the presence of unwanted biological contaminants that build up on coils and in ducts. AC-S also eliminates unwanted odors. Apply AC-S to the coils, other parts of the AHU and ducts after cleaning to remove heavy soils and organics, (recommend use of AC-C or AC-X for such surface cleaning).

AC-S is best applied using a ULV Fogger, (also works with Electrostatic Sprayers). Apply AC-S and leave on surfaces; do not wipe off.

AC-S can be applied with the HVAC unit running.

AC-S is a hyper concentration of safe, beneficial FDA 'GRAS' (Generally Recognized As Safe) schedule listed [probiotics](#) mixed with EPA "Safer Choice" compliant chemistry. It is pH neutral and safe for use to apply and leave on coils / AHU. Can be used in the presence of people and animals.

- pH neutral – suitable for all moisture tolerant surfaces
- Composed of EPA 'Safer Choice' listed ingredients
- A proprietary blend of FDA 'GRAS' schedule listed probiotics
- Provides Ongoing Residual Surface Cleaning and Protection
- Disrupts pathogen transmission
- Inhibits Pathogens Re-Colonizing/Re-Populating Surfaces
- Excellent Odor Elimination
- Has all 'zeros' in the OSHA Hazard Diamond

Benefits of Z BioScience Probiotic True Clean Technology™ As Compared to Conventional Chemistry-Only Cleaners & Disinfectants

Z BioScience's AC-S Protective Coil Spray combines microbiology and chemistry to provide advanced, active and continuous cleaning of coils and ducts.

The beneficial FDA "GRAS" listed probiotics in AC-S clean to the microscopic level, whether wet or dry, as they move across surfaces, displacing and replacing unwanted, harmful pathogens.

This process is the scientific principle of Competitive Exclusion in action, and how AC-S disrupts pathogens and eliminates odors.

AC-S is non-toxic, pH neutral, safe to apply and be left on coils and ducts.

Use AC-S for Preventative Maintenance protocols.



**ONGOING
SURFACE CLEANING**



**ELIMINATES
ODORS**



**WORKS WHEN
DRY & WET**



**SAFE FOR ALL
MOISTURE TOLERANT
SURFACES**



**MOVES ACROSS
SURFACES**



**DISRUPTS
PATHOGEN
TRANSMISSION**



**INHIBITS PATHOGEN
RECOLONIZATION**



**SAFE FOR USE
AROUND PEOPLE
& ANIMALS**

Redefining Sustainability in Cleaning

Environmental + Health Sustainability

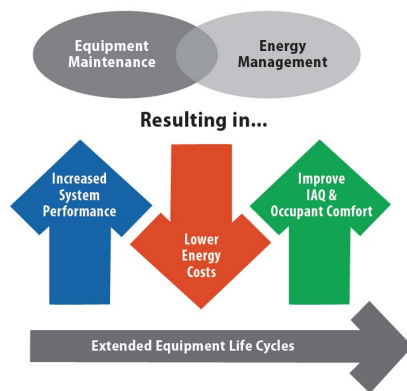
Safe Cleaning: EPA "Safer Choice" chemistry means no harmful chemicals, pesticides, or hazardous ingredients are present in AC-S, and so no EPA Registration is required.

Food-Grade Probiotics: FDA "GRAS" (Generally Recognized As Safe) probiotics that require no cautionary statements, and are safe for use when humans and animals are present.

pH Neutral: Safe for all moisture tolerant surfaces.

Safe for use in the presence of people and animals

Why choose Z BioScience for your coils:



Unique Performance Sustainability

Fast + Effective: Fogging AC-S is a fast and effective way to repopulate HVAC coils, AHUs and ducts with safe, beneficial FDA "GRAS" schedule probiotics that provide ongoing cleaning and odor elimination. Regular use of AC-S, (even with units running), maintains HVAC energy efficiency, performance and environmental balance.

Active Cleaning: The probiotics in AC-S can move across the surfaces of the coil and all other parts of the AHU, cleaning at the microscopic level as they go, penetrating areas where biological contaminants can accumulate. This provides a level of HVAC cleaning conventional chemistry-only cleaners, and antimicrobial agents cannot.

Surface Protection: The probiotics in AC-S provide ongoing surface protection that can last for days / weeks in HVAC units as they keep working even if the surface is dry. This can inhibit reformation of unwanted biofilms that generate odors and increase energy consumption.

Ongoing Disruption of Pathogens in HVAC units: AC-S delivers an abundance of safe, beneficial FDA "GRAS" schedule probiotics to surfaces. These probiotics overwhelm and displace unwanted, harmful pathogens; (this is the scientific principle of Competitive Exclusion). The lasting presence of AC-S on HVAC Coil and other AHU surfaces inhibits the reformation of unwanted microbes that can generate IAQ issues for occupants.



For all inquiries and purchase requests: (217) 253-9010 | sales@zbioscience.com