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# Oxine<sup>®</sup> hvac

Since Oxine's development in 1971, it has become recognized internationally as the premier sanitizer in multiple application areas. Its low toxicity and high efficacy against pathogenic bacteria make it one of the most versatile and widely-recognized sanitizers in the food processing, water treatment, seafood and HVAC industries.

Oxine-HVAC is registered by the EPA specifically for the sanitation of HVAC systems and duct work, and is also a registered Tuberculocidal.

As a pioneering product in critical point microbial control, Oxine-HVAC is scientifically-proven effective against *Legionella pneumophila*, *Aspergillus fumigatus*, *Staphylococcus aureus*, *Mycobacterium bovis* (Tuberculosis) and numerous other disease-causing organisms. In addition, Oxine-HVAC eliminates these and many other microbial concerns in a matter of seconds - then breaks down into simple table salt.

Manufactured by:



In addition to its EPA registration, Oxine is approved by the FDA and USDA to ensure the user of its efficacy and safety. The solution is clear, stable and virtually odorless allowing Oxine to be safely stored and transported without special consideration.

800.323.1398

405.329.5556

**Bio-Cide International  
Corporate Offices**

2845 Broce Drive  
Norman, Oklahoma 73072

# USE INSTRUCTIONS FOR HVAC SYSTEMS

Use Oxine-HVAC as a Tuberculocidal and terminal sanitizer to eliminate gram-positive and gram-negative bacteria, yeasts, mold and fungi.

As required by the EPA, the treated area must be evacuated prior to the application. Once the area has been treated, the area should be ventilated and allowed to air for one hour before repopulating. No one other than applicator should be allowed in work area during treatment.

To ensure absolute duct sanitation, the system must be mechanically cleaned, vacuumed, or blown free of dust, mold, soil and debris prior to using Oxine-HVAC.

Cover all air vents with filter media and use drop cloths around work areas, as this product may fade some fabrics.

## APPLICATION METHOD 1

Place system under positive pressure with system fan. Spray, fog or wipe Oxine-HVAC into duct work, coils, drain pan and grills. For best coverage, access system at each vent, or cut access holes for longer runs.

## APPLICATION METHOD 2

Place system under negative pressure with duct vac. Spray, fog or wipe Oxine-HVAC into duct work, coils, drain pan and grills. For best coverage, access system at each vent, or cut access holes for longer runs.

# TOXICITY AND SAFETY

One of Oxine-HVAC's trademark qualities is its low toxicity and safety rating by the EPA. Rated as a category III, Oxine-HVAC does not leave an active chemical residue, and quickly degrades to simple table salt.

Oxine-HVAC does not use any propellants or flammable ingredients, enhancing its safety qualities.

Oxine-HVAC is a NO-RINSE product, making it very easy to apply. Once Oxine-HVAC is applied, it dries leaving the system virtually residue-free.

# APPLICATION METHODS

Oxine-HVAC should be applied by the applicator wearing a NIOSH / MSHA approved respirator with an Organic Vapor / Acid Gas Cartridge.

Secure proper respiratory and eye wear protection prior to activation.

- Pour 3.25 fl. oz. of Oxine-HVAC concentrate (20,000) into a suitable mixing container.
- Add 10 grams of Oxine-HVAC activator crystals to the Oxine-HVAC concentrate.
- Mix and let stand for 5 minutes before dilution.
- Prepare solution in a well-ventilated area. Avoid breathing fumes that may be produced while crystals are dissolving.
- After mixing, add one gallon of clean water to the activated Oxine-HVAC. Dilution ratio is 1:40. Final use dilution is 500 ppm. Each gallon will treat 1,000 - 1,500 sq. ft. Mixed solution is good for up to one week when stored in a closed container away from direct sunlight.

## APPLICATIONS:

- Commercial
- Industrial
- Residential
- Institutional

## Equipment needed:

- Mixing Bottle
- Sprayer or Fogger
- Drop Cloths
- Filter Media
- Goggles
- NIOSH / MSHA-approved respirator with an Organic Vapor or Acid Gas Cartridge.

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AVAILABLE IN QUARTS, GALLONS AND DRUMS