Since Oxine’s development in 1971, it has become recognized internationally as the premier chlorine dioxide sanitizer for a variety of applications. Its low toxicity and high efficacy against pathogenic bacteria make it one of the most versatile and widely-recognized sanitizers in the HVAC industry as well as the food processing, water treatment and seafood industries. It is a more concentrated version of Nu-Calgon’s Bio-Fresh® cd.

Like Bio-Fresh cd, Oxine is registered by the EPA specifically for use in sanitizing HVAC systems and duct work, including fogging and spraying. Oxine is also a registered Tuberculocide.

As a pioneering product in microbial control, Oxine is scientifically-proven effective against *Legionella pneumophila*, *Stachybotrys* (black mold), *Aspergillus fumigatus*, *Staphylococcus aureus*, *Mycobacterium bovis* (Tuberculosis) and numerous other disease-causing organisms. Oxine eliminates these and many other microbial concerns in a matter of seconds.
USE INSTRUCTIONS FOR HVAC SYSTEMS

Use Oxine as a sanitizer and deodorizer 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.

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 solution into duct work, coils, drain pan and grills. For best coverage, access system at each vent, or cut access holes for longer runs. When fogging, utilize the Nu-Calgon Bio-Fresh® Fogger (Part Number 4693-0).

APPLICATION METHOD 2

Place system under negative pressure with duct vacuum. Spray, fog or wipe Oxine solution 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’s trademark qualities is its low toxicity and safety rating by the EPA. Rated as a category III, Oxine does not leave an active chemical residue and quickly degrades to simple table salt.

Oxine does not use any propellant or flammable ingredients, enhancing its safety qualities.

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

APPLICATION METHODS

Although it is not required, it is recommended that Oxine be applied by the applicator wearing a NIOSH/ MSHA approved respirator with an Organic Vapor or Acid Gas Cartridge.

Secure proper respiratory and eye wear protection prior to activation.

• Prepare solution in a well-ventilated area. Avoid breathing fumes that may be produced while crystals are dissolving.
• Pour 3.25 fluid ounce of Oxine concentrate into a suitable one-gallon mixing container.
• Add the Oxine activator crystals (10 grams) to the Oxine concentrate.
• Mix and let stand for 5 minutes.
• After 5 minutes, add one gallon of clean water to the activated Oxine. Dilution ratio is 1:40 and final use dilution is 500 ppm. Each gallon will treat 1,000 - 1,500 square feet of duct surface. 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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