

MADISON OXY-SAN

TECHNICAL DATA SHEET

DESCRIPTION:

MADISON OXY-SAN is a liquid peroxyacetic acid-based sanitizer/disinfectant.

- Kills bacteria, mold, fungus and yeast.
- Very fast acting.
- Tolerant of water hardness.
- Non-foaming.
- Does not contribute to taste, odor or color.
- No rinse required.
- Less affected by organic soil load than either chlorine or quaternary sanitizers.

MADISON OXY-SAN has a high oxidation potential and is very reactive. It exhibits excellent bactericidal and fungicidal activity against a wide range of microorganisms in cold or warm water. **MADISON OXY-SAN** is for use on previously cleaned, hard non-porous food contact surfaces in dairies, wineries, breweries, food and beverage plants, egg processing facilities and eating establishments. **MADISON OXY-SAN** provides bacteria, fungi and slime control in air washing/scrubbing systems, reverse osmosis and ultra-filtration systems.

Other uses include:

- As a fog adjunct for high-level microbial control.
- As an additive for water or ice that contacts fruits and vegetables by coarse spray or submerging. This product is not intended for use as a "primary" flume treatment (first flume water to contact fruit or vegetable).

PROPERTIES:

Appearance: Colorless liquid with a sharp, pungent vinegar-like odor.

Specific Gravity: 1.12

pH (10% solution): < 1

E.P.A. Reg. No.: 63838-13-110

Metal Safety: **MADISON OXY-SAN** is safe for use on aluminum, stainless steel 304 and 316, and tinned iron at concentrations up to 400 ppm (active peroxyacetic acid), when used as directed. Some attack may occur on zinc, mild steel and copper alloys.

APPLICATION:

MADISON OXY-SAN is acceptable for use in food and beverage plants as a **D2** sanitizer for all surfaces not always requiring a rinse.

See E.P.A. product label for all claims and complete directions. It is a violation of Federal Law to use **MADISON OXY-SAN** in a manner inconsistent with its labeling.

FOOD CONTACT SURFACE SANITIZATION:

Prior to sanitizing with **MADISON OXY-SAN**, remove gross food particles, then wash with a detergent solution, followed by a potable water rinse. Apply a solution of 1 – 5.6 ounces to 5 gallons of water (90 – 500 ppm active peroxyacetic acid) allowing the sanitizer to thoroughly wet surface for a minimum 60 seconds contact time. Drain any excess solution. Do not rinse. **MADISON OXY-SAN** is effective against Staphylococcus aureus, Salmonella enterica, Escherichia coli and Listeria monocytogenes when used in this manner.

NON-FOOD CONTACT HARD SURFACE DISINFECTION:

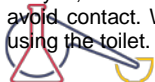
MADISON OXY-SAN is effective against Staphylococcus aureus and Salmonella enterica at 2.5 - 20 ounces in 5 gallons hard water (400 ppm as CaCO₃) and 5% organic soil loading on hard non-porous surfaces. Allow surface to remain wet for 10 minutes, then remove solution and entrapped soil with a clean wet mop, cloth, wet vacuum pickup, or by draining. Surfaces that may directly or indirectly contact food must be rinsed with potable water before operations resume. A rinse for non-food contact surfaces is optional.

The exact dilution will depend on the specific nature of the application. sSOP's may need to be developed for specific concentrations based on your product residue type and soil load.

Contact your Madison Chemical Representative for details to fit your operation.

PRODUCT CAUTIONS:

DANGER! Corrosive. Causes irreversible eye damage and skin burns. Do not enter an enclosed area without proper respiratory protection. May be fatal if inhaled or absorbed through skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. When handling wear goggles, face shield, impermeable gloves and other equipment as required to avoid contact. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.



Madison Chemical Co., Inc.

Formulating Solutions for Excellence

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MADISON OXY-SAN

TECHNICAL DATA SHEET (continued)

PRODUCTION CAUTIONS (continued):

Never return **MADISON OXY-SAN** to the original container. Avoid all contaminants, especially dirt, caustic, reducing agents, and iron or yellow metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of decomposition, isolate container, douse container with cool water and dilute **MADISON OXY-SAN** with large volumes of water. Sodium carbonate (soda ash) may be broadcast over the affected area to neutralize the spilled product. Avoid damage to containers. Keep container closed at all times when not in use. To maintain product quality, store this product in a cool, dry area, away from direct sunlight and heat. Do not store at temperatures exceeding 86°F.

EMERGENCY FIRST AID:

EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing and shoes. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth. Call a poison control center or doctor for treatment advice.

If use is contemplated for purposes other than, or by methods different from those specifically recommended herein, please contact the manufacturer for advice.

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN.



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