

AM-88

RO System and Membrane Preservative

The interior of a spiral element, being dark and moist, is an excellent breeding ground for microorganism. When spiral elements are used, tested or operated intermittently, they will probably be exposed to bacteria. During shutdown or storage periods of more than a few days, spiral elements should be disinfected or sterilized by filling the system with a biocidal solution. Up to 70 percent flux loss can occur from biological fouling in elements and modules that have been tested on non-sterile water, then stored on the shelf or in non-operating units for long periods.

To prevent biological growth during storage, shipping, or system shutdowns, it is recommended that the RO Systems and membranes be immersed in a solution of AM-88. This solution will not adversely affect membrane flux or performance.

SPECIFICATIONS:

• Appearance and Odor	Free-flowing, white, fine granular powder with a characteristic odor of sulfur dioxide.
• pH (2% solution)	4.5
• Density	1.48 grams/ml.
• Rinsibility	Excellent.
• Solubility in Water	39% (60°F)
• Stability	Indefinite when stored in a closed container under cool, dry conditions

WARNING

Avoid contact with skin, eyes, clothing. Dust, mist, or solution contact will irritate or burn eyes. Immediately flush with plenty of water for at least 15 minutes. Get medical attention. Avoid breathing dust or mist. If ingested, may irritate gastrointestinal tract. Induce vomiting by touching finger to back of throat. Never induce vomiting to an unconscious person. Get medical attention. Inhalation of dust or mist may irritate respiratory tract. Promptly remove to fresh air. In case of skin contact, flush with plenty of soap and water. Promptly sweep up with minimum dusting and shovel into an empty container and close. Cautiously spray residue with plenty of water. Provide ventilation to clear sulfur dioxide fumes which will be generated as a result of water contact. When required, use a NIOSH-approved respirator for dust, mist, and/or sulfur dioxide gas, as conditions indicate. Some exposures may require NIOSH approved self-contained breathing apparatus or supplied-air respirator. Keep away from water or acids or heat.

Applied Membranes, Inc. assumes no liability for results obtained or damages incurred through the improper application of the above information and data.

© 2004 Applied Membranes, Inc.