

M-100 Membrane Preservative

AXEON M-100 Membrane Preservative safely prevents microbiological growth within membrane elements and in membrane systems during long and short-term storage.

AXEON M-100 Membrane Preservative			
For Removing	Membrane Type	Mixing Ratio	pH
Microbiological growth within membrane elements and systems during storage	Thin film composite, cellulose acetate, ultrafiltration	1 pound AXEON M-100 to 6 gallons water	Medium / Low

Product Benefits

AXEON M-100 safely and effectively prevents microbiological growth within membrane elements and systems during long- and short-term storage. It replaces the use of sodium metabisulphite and other chemicals that are typically used. While sodium bisulfite can be hazardous or unstable, **M-100** is effective long-term and does not create environmental or health risks. **AXEON M-100** is compatible with all membrane types and rinses easily from membranes. **AXEON M-100** is packaged as a dry, stable, nonreactive powder for ease of transportation and storage.

Procedures

In Storage

1. Clean the membranes with **AXEON C10** or **C20 Cleaners** prior to storage. Using good quality water (RO product water), mix at a ratio of one pound **M-100** to 6 gallons of water.
2. Recirculate storage solution at low pressure (less than 60 psig) through membranes for minimum of 15 minutes.
3. After re-circulation, shut system down making sure storage solution does not drain out of membranes.
4. After storage, rinse membranes with good quality water for 30 minutes before system start up.

Container Storage

1. Clean membranes with **AXEON C10** or **C20 Cleaners**.
2. Using good quality water (RO product water), mix a ratio of one pound **M-100** to 6 gallons of water. Place membranes in storage container containing **M-100** solution.
3. After storage, place membranes in system and rinse with good quality water for 30 minutes prior to system start-up.

Engineered Membrane Solutions