

AS 230

MEMBRANE SCALE INHIBITOR

DESCRIPTION:

AS 230 is a general-purpose, scale inhibitor for use in reverse osmosis systems. AS 230 contains a combination of scale inhibiting chemistry to prevent the precipitation of dissolved solids on the membrane surface. AS 230 also acts as a dispersant to aid in flushing contaminants and foulants from the membrane and feedwater spacer surfaces.

AS 230 is specifically designed to provide control of calcium and other metal salts by acting as a crystal modifier and threshold inhibitor. AS 230 may be used with both thin film and cellulose acetate membranes.

The components of AS 230 are allowed under 21 CFR § 176.170 of the US Food and Drug Administration regulations, “components of paperboard in contact with aqueous and fatty foods.”

GENERAL APPLICATION:

AS 230 should be injected into the feedwater line of the reverse osmosis unit just before the cartridge filter. AS 230 should be added at a rate of 75 - 600 ppm of product as received. It may also be diluted for ease of feeding in some systems.

ADVANTAGES:

- FDA allowed under 21 CFR § 176.170
- Especially effective against barium sulfate
- Effective against both calcium sulfate and calcium carbonate
- Effective removal of contaminants and foulants from membrane and spacer surfaces
- For use on both thin film composite and cellulose acetate membranes

Typical Product Characteristics

AppearanceClear, Yellow Liquid
Density at 25° C.....1.04 – 1.06 g/ml
Weight per US gallon8.72 lbs./gal
pH of product10 - 11

SAFETY & HANDLING:

Improper handling of this product can be injurious to workers. Observe all safety precautions shown on the label and Material Safety Data Sheets. Wear proper protective equipment listed on the MSDS. Follow the instructions of your KML Representative in the proper use of this product.

PACKAGING:

AS 230 is available in non-returnable, 55 gallon, DOT approved plastic containers.

