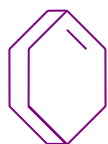


# MEMBRANE CLEANER PRODUCTS

Dalton Scientifics' concentrated membrane cleaner products are available in liquid and powdered formulations. The typical use concentration is a 1% solution, providing a cost effective dilution when compared to other products. Dalton Scientifics' cleaner products contain only high purity ingredients. The non-oxidizing biocide, Excide™ 20 is EPA registered for use on industrial membrane systems.

Product	Form	pH 1%	Foulants	Membrane
S-20	Acid Powder Cleaner	2.0	Hardness scale, Metals, Silica	All types
P-11	Alkaline Powder Detergent	10.7	Silt, Organics, Biological	Polyamide-TFC, Polysulfone, PVDF
H-50	Liquid Acid Cleaner	2.2	Hardness scale, Metals	All types
K-12	Liquid Alkaline Detergent	11.5	Silt, Organics Biological, and Sulfate deposits	Polyamide-TFC, Polysulfone, PVDF
Excide™ 20	Liquid Biocide	N/A	Bacteria, Fungi	All types

S-20 Acid Powder Cleaner	Dissolves calcium carbonate scale and metal oxide deposits. Can also weaken and disperse silica fouling. S-20 has triple acid cleaning power.
P-11 Alkaline Powder Detergent	Removes organic matter, particulate (silt) deposits and biological filming from polyamide or other non-cellulosic membranes.
H-50 Liquid Acid Cleaner	Dissolves calcium carbonate scale and metal oxide deposits. More effective verses aluminum fouling than powdered acid cleaners.
K-12 Liquid Alkaline Detergent	Unique potassium based detergent is effective on difficult to remove organic color such as tannins. Removes sulfate scale deposits of barium, calcium, and strontium. Cleans particulate fouling and biological filming from polyamide or other non-cellulosic membrane types. Formula contains no sodium.
Excide™ 20	Non-oxidizing biocide kills bacteria, mold, yeast cells, and algae. Excide™ 20 is fast-acting and breaks down into environmentally safe, non-toxic products.



**DALTON SCIENTIFIC, INC.**

© 2015 Dalton Scientific, Inc.

® 7567 Debbie Lane, Eden Prairie, MN. 55346 Phone (952) 934-3587 Fax (952) 934-3535