

Membrane Cleaning Solutions

Cleaning Products and Services for Optimal Performance



 **KOVALUS**
Separation Solutions™

Membrane Cleaning Products and Services

Over 50 Years of Membrane Experience

KOVALUS SEPARATION SOLUTIONS™ (KSS) is a global leader in membrane filtration technologies with over 50 years of membrane experience and thousands of system installations worldwide. We have applied our membrane experience and know how to develop a proprietary line of KOVKLEEN™ products, designed specifically to clean, regenerate and revitalize membranes used in food, beverage, municipal, and industrial applications. KSS supports our line of cleaning products with our unparalleled service offering. KSS Cleaning Solutions is committed to making sure your membrane process operates at its full potential, providing the most value to your business.

KOVKLEEN Cleaning and Antiscalant Products

KOVKLEEN™ products contain an optimal blend of acids, bases, oxidants, surfactants, enzymes, solvents, or chelants tailored to your specific application needs. Our proprietary cleaners can be purchased in container sizes between 1 gallon (3.8 Liter) and bulk tanker for liquids, and 25 to 450 pound (10 to 200 kg) drums for powdered solids. Our antiscalant products are formulated to protect reverse osmosis and nanofiltration systems from mineral scale, allowing for maximum system recovery while addressing your specific scaling challenges.

KSS Cleaning Services

KSS has a comprehensive understanding of both membrane fouling and longevity. KSS can put this experience to work for you through the following services:

- Customized Cleaning Recipes
- Cleaning Protocol Database
- Membrane Cleaning Optimization
- Operator Training

Our Cleaning Product Selection Guide will help you select the best cleaning products for your membrane system and application. Our experienced process engineers are available to provide a comprehensive cleaning protocol for your specific process.

At KSS you will find membranes, membrane systems, skilled service engineers and membrane cleaning products. KSS is your **One Stop Shop** for all your filtration challenges.



Cleaning Product Selection Guide

Product Name	Typical use	Product Description	Form	Container Size
KOVKLEEN™ 620	Electrocoat paint UF cleaning	Blend of solvents	Liquid	5 gal, 55 gal
KOVKLEEN 630	Electrocoat paint UF cleaning	Blend of organic acids & solvent	Liquid	5 gal, 55 gal
KOVKLEEN ADDITIVE Z	Electrocoat paint UF cleaning	Surfactant	Liquid	5 gal
KOVKLEEN P-3 SOLUTION	Electrocoat paint UF cleaning	Cationic polymer	Liquid	1 gal, 5 gal
KOVKLEEN 120	General industrial	Citric acid	Powder	40 lb
KOVKLEEN 130	General industrial	Oxalic acid	Powder	40 lb
KOVKLEEN 150	General industrial	Sodium bisulfite	Liquid	5 gal, 55 gal
KOVKLEEN 222	General industrial	Blend of Caustic soda & surfactant	Liquid	5 gal, 55 gal
KOVKLEEN WO	General industrial	Hydrogen peroxide	Liquid	5 gal, 55 gal
KOVKLEEN UC A	Industrial wastewater	Blend of surfactants	Powder	25 lb, 250 lb
KOVKLEEN FORMULA ONE	Industrial wastewater	Non-ionic surfactant	Liquid	5 gal, 55 gal
KOVKLEEN KLD II	Industrial wastewater	Blend of anionic & non-ionic surfactants with chelating agents	Liquid	5 gal, 55 gal, 275 gal
KOVKLEEN KLD III	Industrial wastewater	Blend of anionic & non-ionic surfactants with chelating agents	Liquid	5 gal, 55 gal, 275 gal
KOVKLEEN 100	Food, dairy & beverage	Blend of Nitric & Phosphoric acid	Liquid	5 gal, 55 gal
KOVKLEEN 180	Food, dairy & beverage	Blend of citric acid, lactic acid & surfactant	Liquid	5 gal, 55 gal
KOVKLEEN 230	Food, dairy & beverage	Blend of caustic soda & surfactant	Liquid	5 gal, 55 gal, 275 gal
KOVKLEEN 410	Food, dairy & beverage	Sodium hypochlorite solution	Liquid	5 gal, 55 gal
KOVKLEEN 430	Food, dairy & beverage, wine	Sodium perborate tetrahydrate	Powder	30 lb, 330 lb
KOVKLEEN 440	Food, dairy & beverage, wine	Blend of sodium carbonate peroxyhydrate & tetraacetylene-diamine	Powder	30 lb
KOVKLEEN ENZ-10 P	Food, dairy & beverage	Blend of surfactant, phosphates, & protease enzyme	Powder	25 lb
KOVKLEEN ENZ 10 L	Food, dairy & beverage	Blend of glycol, surfactant, inorganic acid, and protease enzyme	Liquid	5 gal, 55 gal, 275 gal Bulk liquid
KOVKLEEN UC III	Food, dairy & beverage	Non-ionic surfactant	Liquid	5 gal, 55 gal, 275 gal Bulk liquid
KOVKLEEN UC-II PF	Food, dairy & beverage	Phenol Free Non-ionic surfactant	Liquid	5 gal, 55 gal
KOVKLEEN L-02	Industrial and municipal water	Blend of mild organic acids	Liquid	5 gal, 55 gal
KOVKLEEN L-07	Industrial and municipal water	Blend of surfactants	Liquid	5 gal, 55 gal
KOVKLEEN L-11	Industrial and municipal water	Alkaline Blend of surfactants	Liquid	5 gal, 55 gal
KOVKLEEN P-02	Industrial and municipal water	Blend of organic acid & chelating agent	Powder	45 lb, 450 lb
KOVKLEEN P-11	Industrial and municipal water	Alkaline Blend of surfactants	Powder	45 lb, 450 lb
KOVKLEEN 50	Industrial & municipal water & wastewater – RO/NF	Modified polycarboxylate	Liquid	5 gal, 55 gal
KOVKLEEN 75	Industrial & municipal water & wastewater – RO/NF	Phosphonate	Liquid	5 gal, 55 gal
KOVKLEEN 250	Industrial & municipal water & wastewater – RO/NF	Modified polycarboxylate; 4X concentrate of KOVKLEEN 50	Liquid	5 gal, 55 gal
KOVKLEEN 275	Industrial & municipal water & wastewater – RO/NF	Phosphonate; 4X concentrate of KOVKLEEN 75	Liquid	5 gal, 55 gal
KOVKLEEN MAX	Industrial & municipal water & wastewater – RO/NF	Blend of proprietary polymer & phosphonate	Liquid	5 gal, 55 gal



KOVALUS SEPARATION SOLUTIONS

KOVALUS SEPARATION SOLUTIONS™ (KSS) is a global leader in separation technologies.

With best-in-class domain expertise, technologies and systems, KSS is uniquely positioned to help customers purify and recover valuable process streams and achieve sustainability goals across food and beverage, life science, and general industrial markets.

Services & Support

After-Sales Services & Maintenance Programs • SepTrac™ Smart System



www.kovalus.com • getinfo@kss-sep.com

KOVALUS
Separation Solutions™

For complete contact information and listing of our global locations, visit www.kovalus.com
©2023 KOVALUS SEPARATION SOLUTIONS, LLC. All rights reserved worldwide.
For related patent and trademark information, visit www.kovalus.com/legal. 10/23