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PRODUCT BULLETIN – 15.11

Micro-90® - Effective Filter Membrane Cleaner for Wastewater Treatment Operations

The care and cleaning of filter membranes is essential to the success of many water treatment systems. International Products Corporation (IPC) manufactures a line of membrane cleaners effective at restoring 100% flux at safe pH ranges.

One of IPC's customers treats industrial wastewater generated by the engine plant of a major automotive manufacturer. At this facility, up to 168,000 gallons of wastewater are treated per day using an ultrafiltration (UF) membrane system. For the past 10 years, the company has used Micro-90® Concentrated Cleaning Solution. Prior to using Micro-90®, their initial two-step process used caustic and acid materials. A 1% solution of Micro-90® not only removes the organics and metals that blind the membranes, but it provides savings through reduced energy, reduced chemical use and less downtime. 100% recovery is achieved after every Micro-90® wash, and they have not needed to replace any of their membranes, even after 10 years of operation.



Micro-90® is a mild, yet powerful, multipurpose, alkaline cleaning concentrate that has long been used in laboratories, industrial applications, and critical cleaning processes. Micro-90® is a unique chelating detergent that contains ionic and non-ionic ingredients, which combine to produce a variety of cleaning actions. Micro-90® lifts, disperses, emulsifies, sequesters, suspends, and decomposes soils, then rinses them away, leaving the surface absolutely clean. Micro-90®'s target soils include oil, grease, wax, tar, flux, particulates, hard water stains, and biological debris. Micro-90® is highly effective at defouling filter membranes and can be validated in critical cleaning applications.

Other membrane cleaners from International Products Corporation include: Micro® Green Clean, a biodegradable cleaner effective at removing greases and oils; Micro® A07, a biodegradable citric acid and surfactant blend effective at removing hard water, salts, and scales; and Zymit® Pro, a protease enzyme and surfactant cleaner effective at removing biological debris, proteins and polysaccharides. These free-rinsing, non-toxic detergents are free of solvents, phosphates, silicates, phenols and Substances of Very High Concern.

Contact us to discuss which formula will best serve your needs. Free samples for trial testing and technical assistance are available. For sales and service in the U.S. call our ISO:9001 certified manufacturing facility at 609-386-8770 or email mkt@ipcol.com. For sales and service in Europe, call +44 (0) 208-857-5678 or email saleseurope@ipcol.com.

Contact us with your cleaning challenge. [Free samples are available for trial testing; membranes@ipcol.com](#)

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International Products CORPORATION

Providing the Highest-Quality Laboratory and Industrial Cleaners Since 1923

HERE IS YOUR FREE CHANCE TO TEST OUR CLEANERS
IN YOUR CLEANING APPLICATION!

International Products Corporation (IPC) manufactures a complete line of cleaning solutions for use in manufacturing, food processing, laboratory, wastewater, pharmaceutical and medical device applications. Environmental engineers like the IPC cleaners, as their use promotes 100% flux recovery.

Whether you need to remove grease, oil, ink, flux, starch, or protein, our cleaners will do the job without harming the surface or posing a threat to workers. Use them on machinery, ceramic, metals, precision parts, labware and delicate filter membranes.

Seeing is believing...

Try a free sample of our cleaners in your most challenging application and see for yourself how well our products perform. Simply fill out the request form below and return it to us via fax or mail.

CONTACT US TODAY FOR YOUR FREE SAMPLE



phone
609-386-8770



email
membrane@ipcol.com



fax
609-386-8438



online
www.ipcol.com

Or Mail to: International Products Corporation • 201 Connecticut Drive • Burlington, New Jersey USA 08016-4105

FAX THIS FORM FOR YOUR FREE SAMPLE – 609-386-8438

Please send me a sample of (select from below):

Send my no-obligation sample and SDS to:

_____ **MICRO-90® Alkaline Cleaning Solution**
pH 9.5
A mild yet powerful multi-purpose cleaner that is effective in both industrial and critical cleaning applications. Its unique formulation of chelants, ionic, and nonionic ingredients produces a variety of cleaning actions that include lifting, dispersing, emulsifying, sequestering, suspending and dissolving soils.

_____ **MICRO® Green Clean Biodegradable Cleaner**
pH 9.5
A free-rinsing, industrial-strength, biodegradable hard surface cleaner designed for use in a wide range of applications.

_____ **MICRO® A07 Citric Acid Biodegradable Cleaner**
pH 3.0
Micro A07 is a biodegradable, non-corrosive powerful blend of citric acid and anionic surfactants. Highly effective at removing scale and milkstone.

_____ **Zymit® Pro Enzyme Cleaner**
pH 7.5
An enzyme and surfactant cleaner that breaks down and removes proteinaceous soils. It is an effective filter membrane cleaner, especially when used with Micro-90 or Micro A07 in consecutive cleaning steps.

Name

Title

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