



VISHES GLOBAL



STAINLESS STEEL CITRIC ACID PASSIVATION BY CITRISURF

CitriSurf products have pioneered safe passivation of stainless steel using enhanced citric acid passivation solutions, and other low-hazard products for stainless steel cleaning and maintenance.

Traditionally, stainless steel passivation had involved immersion or process circulation using nitric acid, a corrosive chemical that poses safety risks and environmental concerns.

Vishes Global offers a comprehensive range of stainless steel passivation products, providing a safer, more efficient, and eco-friendly alternative while meeting industry standards such as **ASTM A967, ASTM A380, and AMS 2700.**



CitriSurf 3050

CitriSurf 3050 is a premium citric acid based concentrate, designed for cleaning and passivating stainless steel, specifically in low-foam applications such as **CIP systems, ultrasonic baths and air-agitated baths**. Engineered for cost-effective and efficient contaminant removal, it eliminates free iron from austenitic and duplex stainless steel surfaces, ensuring maximum chrome oxide formation for superior corrosion resistance.

CitriSurf 77 Plus

CitriSurf 77 Plus is a premium chemical blend designed for cleaning, rust removal, and passivation of stainless steel. CitriSurf 77 Plus provides a cost-effective solution to efficiently eliminate contaminants, rust, and free iron from stainless steel surfaces, ensuring optimal chrome oxide formation for superior corrosion resistance. Ideal for **industrial, architectural and marine** applications which require rust removal from stainless steels.



CitriSurf 2450

CitriSurf 2450 is a premium chemical formulation designed for the **cleaning and passivation of stainless steel**. It offers a cost-effective and efficient solution for removing contaminants and free iron from all stainless steel grades, with enhanced performance on highly sensitive alloys. The result is superior chrome oxide formation, ensuring maximum corrosion resistance.

CitriSurf 2250

CitriSurf 2250 is a premium chemical blend engineered for the thorough cleaning and passivation of stainless steel, typically for the **medical industry and surgical instruments**. It is specially formulated for cost-effective and efficient removal of contaminants and free iron, it enhances the surface integrity of various stainless steel grades including **austenitic, ferritic, martensitic, precipitation-hardening, and duplex** by achieving the highest possible chromium oxide levels.





Derouging 8050

CitriSurf® 8050 is a high-performance stainless steel cleaner designed to effectively remove iron oxides and free iron from the surface of process equipment in the **pharmaceutical and other industries** which use ultra-pure water. It removes rouge and maximises chrome oxide levels all at a low process lifecycle cost. CitriSurf 8050 also provides passivation for the stainless steel system components, ensuring optimal surface protection and longevity.

SynClean HD

For precleaning prior to CitriSurf passivation treatment, and general facility maintenance cleaning, SynClean HD is a powerful, high-pH synthetic degreaser designed to replace harsh caustics safely across various industries. SynClean HD used at a concentration of about 5% is recommended as a pre-cleaner prior to CitriSurf passivation in process CIP and also bath applications, including ultrasonic baths.

Featuring a patented formula, SynClean offers effective cleaning without the risks of traditional chemicals. It boasts a triple-zero HMIS rating, is non-regulated, non-corrosive, non-flammable, and fully biodegradable within 30 days.



Passi Tester

Passi Test Plus is a tool designed to assess the real quality of stainless steel. It consists of a **"probe pen"**, which contains the electrochemical solution, and an external storage unit. By pressing the probe pen on the surface, Passi Test Plus measures and stores data on the open-circuit potential and nobility of a metal, thus measuring its corrosion resistance.

Industry Applications :



Pharma & Bio Pharma



Medicines & Vaccine Manufacturers



Surgical Equipment Manufacturers



Body Implants



Stainless Steel Process Equipment manufacturers



Electronics & Semi Conductors



Life Science Companies



Pipe Manufacturing



Fasteners and Fittings



Post installation cleaning and maintenance

"CitriSurf is a registered trademark of Stellar Solutions, Inc."



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