



CitriSurf[®] 3050 Product Information

Technical Data:

Description:

Stellar Solutions *CitriSurf[®] 3050* is a high quality blend of chemicals formulated for the cleaning and passivation of stainless steel products. *CitriSurf[®] 3050* is a solution of chemicals specifically designed to provide low cost and efficient removal of all free iron from the surface of stainless steel, and has been specifically formulated to improve the cleaning and anti-foaming properties.

Physical Properties:

Specific Gravity	1.25
Approx. wt. /gallon	10.3 lb/gal
Viscosity	6 cps
Form	Liquid
Chemical Composition	Citric Acid, H ₂ O +unident. ingredients
Operating Temperature	120-160 Degrees F. (normal)
Flash Point	None
Water solubility	Complete
Normal working concentration	7-13% by volume in water
pH at working concentration	1.8-2.2

Packaging:

5 gallon or 55 gallon plastic containers. Larger sizes available upon request.

Application Procedure:

To assure best results, the parts to be passivated should be thoroughly cleaned with an appropriate cleaning solution prior to treatment with *CitriSurf[®]* solution. All equipment, mixers, tanks and pumps should be clean and dry prior to mixing of *CitriSurf[®]* solution. *CitriSurf[®]* is an excellent cleaner by itself for many cleaning and passivation processes, but may require pre-cleaning for heavy grease and oils.

CitriSurf[®] 3050 should be mixed with clean water at a ratio of **1 part of *CitriSurf[®] 3050* to 14 parts of water by volume** to fill the tank used so as to adequately cover all parts to be treated. Polypropylene, stainless steel, or equivalents should be used for construction of all tanks and devices used in the *CitriSurf[®]* bath. Agitation of the solution in the tank is recommended to attain optimum results. Optimum results can be obtained by using this product in an ultrasonic tank. Teflon coated (or equivalent), stainless steel or titanium heating devices are recommended.

Vishes Globl

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Heat and maintain the solution temperature to 120-160°F for optimum performance. Testing of your product may show that room temperature is adequate.

Completely immerse the parts to be passivated in the solution for a period sufficient to remove all free iron from the surface. This is typically 5-20 minutes, depending on temperature, grade of stainless steel, hardness, use of ultrasonics and the condition of the surface of the parts. This should be determined by testing with your product. Rinse thoroughly with clean water and dry completely in air immediately. Drying can be accelerated by use of a hot air oven or other drying medium to attain a highly passive surface.

Notes on Use:

Although very safe in normal use, *CitriSurf*[®] 3050 is a Citric Acid based material, and as such it may cause irritation to exposed surfaces of the body. See Material Safety Data Sheet before using this material.

Disposal:

Dispose of according to all federal, state and local regulations.

Storage:

CitriSurf[®] 3050 should be stored at temperatures between 50°F and 175°F in 316 stainless steel or approved plastic containers (polyethylene or polypropylene).

Technical Services:

For technical assistance, please contact Vishes Globl on 91 98201 27614

Maintenance:

See Maintenance Sheet for maintenance of *CitriSurf*[®] passivation bath; pH should be between 1.8 to 2.2 for normal operation.

Testing of your products with *CitriSurf*[®] before using in production is recommended. Every product and production facility is different, and requires testing to ensure that *CitriSurf*[®] is compatible with the particular situation. No warranty is implied, or may be given in writing or verbally without the written permission of Stellar Solutions, Inc.

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