



PRODUCT INFORMATION



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Technical Data:

Description: *Weld Wizard 9350* is a high quality blend of chemicals formulated for the low-hazard, low-etching removal of weld discoloration and other scale from stainless steel.

Physical Properties:

Specific Gravity	1.35
Approx. wt. /gallon	11.3 lb/gal
Form	Liquid
Chemical Composition	Sulphonic acid, water, proprietary ingredients
Operating Temperature	70-170°F
Flash Point	None
Water solubility	Complete
Normal working concentration	10-15% by volume in water
pH at working concentration	approx. 1.0

Packaging: 1 gallon, 5 gallon or 55 gallon plastic containers.

Application Procedure: To assure best results, the parts to be treated should be thoroughly cleaned to remove dirt, oils, and grease with an appropriate cleaning solution prior to treatment with *Weld Wizard 9350* solution.

All equipment, mixers, tanks and pumps should be clean and dry prior to mixing of *Weld Wizard* solution. *Weld Wizard 9350* should be mixed with clean water (purified water if desired) at a ratio of **1 part of *Weld Wizard 9350* with 9 parts of water by volume** to fill the tank or pipe system used so as to adequately cover all parts or surfaces to be treated. Polypropylene, stainless steel, or equivalents should be used for construction of all tanks and devices used with the *Weld Wizard* solution. For parts, agitation of the solution in the tank is recommended to attain optimum results. Optimum results can be obtained with many parts by using *Weld Wizard* in an ultrasonic tank.

Heat the solution for optimum performance. 120-160°F is typical. Room temperature is often adequate with increased flow or immersion time. Teflon coated (or equivalent), stainless steel or titanium heating devices are recommended.

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Flush the solution through the pipe system or completely immerse the parts in the solution for a period sufficient to remove weld discolorations and other scale from the surface. This may be 30 to 45 minutes at room temperature, or as much as several hours, depending on the severity of the discoloration.

If the discoloration is severe enough that the *Weld Wizard 9350* only removes it partially, then other products such as *Weld Wizard 9700* or *Weld Wizard 9003* may be used instead to achieve the desired results.

Rinse the pipe system or parts thoroughly with clean water and dry completely in air or proceed with other treatments (e.g., passivation using *CitriSurf 2050* or *CitriSurf 2250*) to obtain the desired results. Drying can be accelerated by use of a hot air blower (i.e. hair dryer), clean cloth, or other drying medium. Repeat process if needed to obtain desired results.

Notes on Use: Although very safe in normal use, *Weld Wizard 9350* is a Sulfonic Acid based material, and as such it may cause irritation to exposed surfaces of the body. **See Safety Data Sheet before using this material.**

Maintenance: Replenish the bath with *Weld Wizard* and water as appropriate to compensate for dragout, evaporation, and acid consumption. The pH of the *Weld Wizard 9350* passivation bath should be held to within +0.1 of its initial value for normal operation.

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

Storage: *Weld Wizard 9350* should be stored at temperatures between 50°F and 90°F in 316 stainless steel or approved plastic containers (polyethylene or polypropylene).

Technical Services: For technical assistance, please contact Stellar Solutions at (847) 854-2800.

Testing of your products with *Weld Wizard* before using in production is recommended. Every product and production facility is different, and requires testing to ensure that *Weld Wizard* 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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