Stainless Steel Brite Dip NI

Stainless Steel Brite Dip NI is a liquid acidic product, free of fluorides and chromates which will brighten and passivate 300 series stainless steel, Monel and Kovar. While the stainless steel Brite Dip NI will not brighten the 200 and 400 series stainless steels, it will provide a passivated surface for improved corrosion resistance.

Features & Benefits

Low fume	Safe to work with
Controlled reaction	More forgiving, less reject and re-work
Easily waste treated	Lower total process cost

Operating Conditions

Note: The above metals must be alkaline cleaned and descaled/activated, prior to immersion in the stainless steel Brite Dip NI solution.

Concentration	Full strength, use as received
Temperature	170°F – 175°F (77 – 80°C)
Immersion time	3 – 10 minutes
Agitation	Suggested*
Ventilation	Required

* Work agitation will provide that fresh Stainless Steel Brite Dip NI will be continually in contact with the metal's surface but moreover avoid gas pockets which prevent the Stainless Steel Brite Dip NI from encountering the metal.

Equipment

Tank	Polypropylene, Polyethylene, Teflon, Polyester boned fiberglass
Heater	Quartz, or heaters coated with Teflon. Do not use titanium heaters.
Barrel	Polypropylene barrels with coated clamps

Waste Disposal

Stainless steel Brite Dip NI should be neutralized with either caustic soda or soda ash to a pH between 6 to 8. Since stainless steel Brite Dip NI is a strong acid the method which should be followed to achieve this is:

1. Dilute stainless steel Brite Dip NI solution with 2 parts water.
2. Slowly add the caustic or soda ash - stirring the solution slowly. Wear protective clothing, goggles and gloves when neutralizing the stainless steel Brite Dip NI solution.

Once the solution has been neutralized, pump the liquid portion to settling tank. To be completely informed on the latest regulations for your area, always contact the local authorities for disposal regulations.

Caution

Stainless steel Brite Dip NI is an acidic product containing oxidizing acids and should be handled accordingly. Avoid skin, eye and oral contact. Wear protective clothing, gloves and goggles when handling the product. Flush exposed areas immediately with clean, cold water. Contact a doctor immediately in case of injury.

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For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

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