Production Automation Corporation

IS
INDUSTRIAL STRENGTH CONCENTRATED CLEANING FORMULA

APPLICATIONS AND USE

Branson IS Concentrated Solution is a biodegradable, phosphate and caustic free alkaline cleaner formulated for heavy-duty industrial use. A blend of liquid non-ionic surfactants and detergents, the superior detergent properties, wetting capabilities and free rinsing properties of Branson IS Solution combine to provide an exceptional cleaner for removing difficult soils and contaminants.

Branson IS Solution readily removes grease, oils, and particulates from automotive, aircraft, and similar mechanical components. It will remove oils and drawing compounds from stampings, clean shop oils, greases, and similar soils from components prior to secondary finishing operations including painting, plating, and application of various electrostatic spray coatings.

Branson IS Solution can be safely used with most base metals and alloys without pitting or discoloration.

APPLICATION PROCEDURES

Branson IS Solution is easily mixed with cold or hot water in a concentration of 8-10% by volume. Branson IS Solution can be used over a temperature range from room temperature to 180°F (82°C), and can be used in both tabletop and industrial cleaning tanks. Optimum cleaning performance will be realized at higher solution temperatures.

Cleaning tanks, heating coils, and any system components which will contain or be exposed to the solution should be fabricated from a suitable grade of stainless steel.

For optimum cleaning, Branson IS should be operated at recommended temperatures. Cleaning time is dictated by the quantity and nature of the soil. Operating Branson IS below the recommended concentrations, temperatures, or time will generally result in poor cleaner performance, characterized by cloudiness and water breaks. Operating Branson IS above the recommended parameters may be lead to component metal attack or cause the surfactants to separate from the solution causing poor cleaning. It is imperative that the solution be allowed to "degas" at operating temperature for a minimum of 10 minutes prior to placing the parts into the cleaning solution. It is best if ultrasonic energy is applied during this time to enhance degassing. Thorough rinsing is suggested for removal of cleaning solution. As with any process involving water, drying should be considered as the final step.

CHEMICAL CHARACTERISTICS

Chemical Composition:	Blend of liquid, non-ionic alkaline surfactants and detergents	Biodegradable:	Yes
		Normal Concentration:	8-10% by volume
		Normal Temperature:	70-180°F
Flash Point:	None	pH at Rinse Temperature:	12.1
Recommended Dilutent:	Water	Rinsability:	Good

See the MSDS for further information