

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 in both tabletop and industrial cleaning tanks at solution temperatures up to 180°F (82°C). 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

Chemistry

by cloudiness and waterbreaks. Operating Branson IS above the recommended parameters may 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.

PRECAUTIONARY CONSIDERATIONS

- BRANSON IS SOLUTION CONTAINS ALKALINE DETERGENTS, AND DIRECT CONTACT MAY RESULT IN BURNS OF EYES OR SKIN IRRITATION.
- AVOID PROLONGED SKIN CONTACT.
- WASH THOROUGHLY AFTER HANDLING.
- DO NOT TAKE INTERNALLY.
- IF DIRECT CONTACT OCCURS, FLUSH, REPEATEDLY WITH COOL, CLEAR WATER.
- KEEP OUT OF REACH OF CHILDREN.

DISPOSAL

Neutralize Branson IS Solution, dilute, and dispose in accordance with all local, state, and federal regulations.

CHEMICAL CHARACTERISTICS

Chemical Composition:	Blend of liquid, non-ionic alkaline surfactants, detergents, and emulsifiers
Flash Point:	None
Recommended Diluent:	Water
Biodegradable:	Yes
Phosphate Free:	Yes
Normal Use Concentration:	8-10% by volume
Normal Use Temperature:	70-180°F (22-82°C)
pH at Use Rinse Temperature:	12.1
Rinsability:	Good

Effect of Working Solution on Metals

Stainless Steel:	None
Steel:	None
Copper:	None
Brass:	None
Aluminum:	Slight Etch
Magnesium:	None
Zinc:	None
Tin	None

BRANSON

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INFORMATION: For additional information concerning Branson IS Solution or other Branson concentrated cleaning solutions, contact your local Branson sales office or BRANSONIC® dealer.

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