

Optical Cleaner Concentrated Cleaning Formula

APPLICATIONS AND USE

Branson OC Optical Cleaner is a concentrated, broad spectrum cleaning solution which is an alkaline, non-foaming, liquid detergent specially formulated to remove a variety of soils normally encountered in the optical, glass, and lens manufacturing industry.

A blend of liquid nonionic surfactants and detergent bases, the superior detergent properties, wetting capabilities and free rinsing properties of Branson OC solution combine to provide an exceptional cleaner for removing difficult soils and contaminants. It removes general soils, fingerprints, cerium oxide, pitch, and blocking waxes from optical lenses. It is very effective in removing polishing compounds from glass and optical surfaces prior to deposition of coatings.

APPLICATION PROCEDURES

Branson OC Solution is mixed easily with cold or hot water in a concen-

tration of 7-10% by volume.

Branson OC Solution can be used over a temperature range of 130°F to 180°F (82°C) in suitable commercial and industrial cleaning tanks. Higher temperatures are required for waxy soil removal.

For optimum cleaning, Branson OC should be operated at recommended temperatures. Cleaning time is dictated by the quantity and nature of the soil. Operating Branson OC below the recommended concentrations, temperatures, or time will generally result in poor cleaner performance, characterized by cloudiness and water-breaks. Operating Branson OC 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

Chemistry

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.

The selection and use of the proper ultrasonic cleaning equipment and component fixturing will influence the cleaning efficiency and performance of Branson OC.

When water replenishment quantities meet or exceed 15% of the tank volume, the cleaning ability of the operating solutions may be so reduced as to make further additions of Branson OC unproductive and uneconomical. At this point, it is usually more practical to make up a new solution. Periodic pH variation checks can give an indication of solution effectiveness.

CHEMICAL CHARACTERISTICS

Chemical Composition:	Blend of liquid, non-ionic alkaline surfactants, and detergents
Flash Point:	None
Recommended Diluent:	Water
Biodegradable:	Yes
Phosphate Free:	Yes
Normal Use Concentration:	7 -10% by volume
Normal Use Temperature:	130-180°F (55-82° C)
pH at Use Rinse Temperature:	9.8
Rinsability:	Good

Effect of Working Solution on Metals

Stainless Steel:	None
Steel:	None
Copper:	None
Brass:	None
Aluminum:	None
Magnesium:	None*
Zinc:	None*
Tin	None*

*No effect if solution temperature is less than 140° F.

DISPOSAL

Dispose in accordance with all local, state, and federal regulations.

PRECAUTIONARY CONSIDERATIONS

- BRANSON OC SOLUTION CONTAINS MILDLY 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.

BRANSON

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

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