

OC 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 concentration 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 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.

BRANSON ULTRASONICS CORPORATION

41 Eagle Road, Danbury, CT 06813-1961 • (800) 732-9262 • FAX (203) 796-2240 • www.bransonic.com • www.sonifier.com

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CHEMICAL CHARACTERISTICS

Chemical Composition	Blend of liquid nonionic 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 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.

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.

DISPOSAL

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

BRANSON CONCENTRATED CLEANING SOLUTIONS

MC-1, MC-2 MC-3 Metal Cleaner

ECElectronic Cleaner

ISIndustrial Strength Cleaner

GPGeneral Purpose Cleaner

OROxide Remover

BCRBuffing Compound Remover

LRSLiquid Rust Stripper

JCJewelry Cleaner

OCOptical Cleaner

For additional information concerning these solutions, contact Branson or a Bransonic® dealer.

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