

# Black-Magic<sup>®</sup> CB Liquid Replenisher

Black-Magic CB Liquid Replenisher is a liquid concentrate of very high oxidizer content. This solution can be used to replenish both the Black-Magic CBL and the Black-Magic Brass Activator Liquid.

## Features & Benefits

Liquid concentrate	Reduces the amount of product needed to adjust production batches
Concentrate used in multiple products	Single additive can be used to adjust multiple production baths

## Operating Conditions

To determine the correct amount of Black-Magic CB Liquid Replenisher to add, first titrate the bath using the sodium thiosulfate titration found on the appropriate chemical control sheet. Calculate the concentration of the Black-Magic CBL or Black-Magic Brass Activator Liquid using the mathematical formulas on the control sheets. Then calculate the amount of Black-Magic CBL or Black-Magic Brass Activator Liquid that is needed for replenishment.

To use Black-Magic CB Liquid Replenisher to replenish a Black-Magic CBL bath, use 0.65 times the amount of Black-Magic CBL that is required. For example: if your Black-Magic CBL bath titrates out to 35%, to bring the concentration back to the original 45%, instead of adding 10 gallons/100 gallons of Black-Magic CBL bath, add 6.5 gallons/100 gallons of bath using Black-Magic CB Liquid Replenisher.

To replenish the Brass Activator Liquid bath, add 0.08 times the amount of Black-Magic Brass Activator Liquid that is required. For example: if your Black-Magic Brass Activator Liquid bath titrates out to 11%, to bring the concentration back to the original 16%, add only 0.4% (0.08 X 5%) of Black-Magic CB Liquid Replenisher.

Black-Magic CB Liquid Replenisher was formulated to prevent the excessive build-up of sodium hydroxide in both the Black-Magic CBL and Black-Magic Brass Activator Liquid. When using the Black-Magic CB Liquid Replenisher, the sodium hydroxide content of the working baths should be checked from time to time. A procedure to do this is available from Hubbard-Hall. If the sodium hydroxide content drops below the original concentration, use the original starting salts for one or two replenishments.



**Cleaning**  
the Hard to Clean



**Finishing**  
the Hard to Finish



**Treating**  
the Hard to Treat

## Caution

This product contains the strong oxidizer, sodium chlorite. It is reactive with most organic materials. Contact with acids, reducing agents, and other oxidizers will yield toxic chlorine gas.

People working with this product should be properly trained in the safe handling and use of strong oxidizers. Read and understand the OSHA Safety Data Sheet prior to working with or handling this material.

Emergency eye wash and safety shower must be readily accessible in areas in which this product is handled, stored and used.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

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## Our people. Your problem solvers.

For more information on this process please call us at

1-800-648-3412

or [techservice@hubbardhall.com](mailto:techservice@hubbardhall.com)

