



Better Chemistry. Better Business.

Black-Magic™ CB Liquid Replenisher

Product Code: 2231006
Revised Date: 01/09/2013

Black-Magic™ 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. 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.

When making additions to working solutions, bath temperatures should be no greater than 120°F.

NOTE: 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 OSHA SAFETY DATA SHEET prior to working with or handling this material.



Product Bulletin

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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.