Liquid Black Magic™ Booster

Product Code: 2231001
Revised Date: 03/21/2006

Liquid Black Magic™ Booster

Liquid Black Magic™ "Booster" is a water-based mixture of oxidizers. It is designed to replenish the oxidizers that are depleted from a hot black oxide bath due to every day use. (This most often occurs when large amounts of surface area are processed, i.e. fasteners and other small parts). **Liquid Black Magic™ Booster** should be added after the blackening solution has been tested for oxidizer levels and found to be low.

TESTING AND CONTROL

SOLUTIONS NEEDED

6.0N sulfuric acid
0.2N potassium permanganate

PROCEDURE

1. Take 25 ml sample of working bath and dilute to 500 ml.
2. Transfer 50 ml of diluted sample to a 250 ml Erlenmeyer flask and add 50 mls of water.
3. Warm to approximately 120°F.
4. Add 10 mls of 6N sulfuric acid.
5. Titrate with 0.2N potassium permanganate to a pink end point.

CALCULATION

Gallons Of Liquid Black Magic™ Booster To Be Added =
(26.1 - MLS Potassium Permanganate Used) X 0.01044 X Tank Size in Gal.

Liquid Black Magic™ Booster should be used only when the oxidizer level is low (less than 80% the original strength).

As a rule the black oxide salt itself ("Activated" Black Magic "Plus" or Liquid Black Magic ABM) is used for additions and replenishment.

This material should only be added to the aqueous Black Magic solution at a temperature of 120°F or less. **Add slowly and cautiously to avoid splashing. Stir continuously while adding.**

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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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