



Magic Neut B

Magic Neut B is a chemical acidic salt mixture which, when mixed with water produces an acidic solution which will neutralize black oxide surfaces and help to remove trapped salts inhibiting bleeding out of the blackening salts. Magic Neut B will not affect the black oxide surface finish.

Features & Benefits

Non-chromated acid neutralizer	Chrome reduction
Reprocessing blackened parts in Magic Neut B with salt bleed out	No effect on black oxide finish

Operating Conditions

Magic Neut B is used in a plain steel tank and is mixed two to three ounces of Magic Neut B salts per gallon of water. The solution is then heated to 160°F to boiling.

Processing Procedure

After the parts have been blackened and rinsed thoroughly in clean, running water, they are immersed in the Magic Neut B solution for at least 5 minutes or more, depending upon the type of parts and the amount of absorbed chemicals.

The parts are then removed and rinsed thoroughly in clean running water and then treated with the appropriate Metal Guard product to give the desired finish and / or corrosion protection.

In order to re-process parts that already show bleeding out of blackening salts, they should be first immersed in a hot alkali cleaning solution for 5 minutes or more, and then rinsed thoroughly in clean, running water. The parts are then soaked in the hot Magic Neut B solution, followed by clean water rinsing and a final Metal Guard product application.

Production Control of Magic Neut B Solution

The Magic Neut B solution will gradually become neutralized during use and more Magic Neut B salts should be added to maintain an acidic solution. The Magic Neut B solution, depending upon production requirements, should be discarded periodically and a new one made up. If production is heavy, it may be necessary to make up a new solution once a week.



The Magic Neut B solution can be tested for acidity with litmus paper which is red in an acidic solution and blue in an alkaline solution. A small sample of the Magic Neut B solution is diluted with water, not more than one-part Magic Neut B solution to one-part water. Dip one end of a piece of litmus paper into the Magic Neut B sample. If the solution is acidic, the litmus paper will be red. If it is alkaline, the litmus paper will be blue.

If the solution is alkaline (litmus paper blue), more Magic Neut B salts should be added to the Magic Neut B solution (at least one ounce per gallon) until the litmus is red.

Be sure, however, to periodically discard the Magic Neut B solution and make up an entirely new one.

Test Kit Method

1. Take a 25 mL sample of Magic Neut B solution and transfer to a mixing bottle.
2. Add 5 grams of Mannitol and add 8 to 10 drops of Phenolphthalein indicator solution.
4. Add 12 N Sodium Hydroxide solution - drop by drop with swirling - until the solution color turns pink.
5. Record the number of drops used.

Calculation

$$\text{Concentration (oz/Gal)} = \# \text{ Drops } 12 \text{ N NaOH} \times 0.17$$

Example: A 6 oz/Gal solution of Magic Neut B should take about 35 drops of 12 N Sodium Hydroxide.

Caution

Solution should be adequately exhausted. Do not get in eyes or on skin, on clothing. Do not breathe dust or mist from solution. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. For eyes, get medical attention. Read warning label on drum.



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