

Cleaner S-078

Cleaner S-078 is a newly developed soak cleaner primarily intended for cleaning brass and copper. One of its paramount advantages is its ability to maintain bright, tarnish-free surfaces on copper and copper alloys even in high temperature solutions.

Cleaner S-078 may also be used for soak cleaning ferrous metals, titanium and nickel alloys, zinc die castings, aluminum alloys.

Cleaner S-078 dissolves readily in hot or cold water giving a clear, brown solution. This powdered, medium alkalinity product contains no phosphates or chelates, thus eliminating the waste disposal problems associated with these elements.

Features & Benefits

Soak cleaner for cleaning brass and copper	Maintains bright tarnish-free surfaces even in high temperature solutions
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Operating Conditions

Concentrations	4 – 12 oz/Gal (30 – 90 g/L)
Temperatures	140°F – 200°F (60°C – 90°C)
Time	As required
Equipment	Mild steel tanks and heating coils

Oblique barrel cleaning

All metals, except aluminum and zinc die castings, use concentration of 4 to 8 oz/Gal (30 to 60 g/L).

Use concentration of 2 to 4 oz/Gal (15 to 50 g/L) for zinc die castings or aluminum alloys.

Titration Method

1. Pipette a 10 mL sample into a 250 mL Erlenmeyer flask and dilute with 50 mL water.
2. Add 4 drops Methyl Orange indicator and mix.
3. Titrate with 0.5 N Hydrochloric Acid until the color changes from yellow to orange pink.
4. Record mL used.

Calculation

$$\begin{aligned} \text{Factor (oz/Gal)} & 0.45 \\ \text{Factor (g/L)} & 3.38 \\ \text{Concentration} & = \text{mL } 0.5 \text{ N HCl} \times \text{Factor} \end{aligned}$$

Test Kit Method

1. Fill test bottle 1/3 with water, add 1/2 mL cleaner solution.
2. Add 3 to 4 drops indicator.
3. 0.72 hydrochloric acid dropwise until solution color changes.
4. Record number of drops used.

Calculation

$$\begin{aligned} \text{Factor (oz/Gal)} & 0.67 \\ \text{Factor (g/L)} & 5.03 \\ \text{Concentration} & = \# \text{ Drops } 0.72 \text{ N HCl} \times \text{Factor} \end{aligned}$$

Waste Disposal

Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Cleaner S-078 is an alkaline product and should be handled accordingly. Avoid skin and eye contact. Wear protective clothing, goggles and gloves. Flush exposed areas immediately with clean cold water. Contact a doctor promptly in case of injury.

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.

Our people. Your problem solvers.

For more information on this process please call us at

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