

Cleaner 200 PWA STR

Cleaner 200 PWA STR is a powdered alkaline product which may be used as either electro, soak/electro-cleaner (single tank) in reel to reel lines (wire or strip lines) for ferrous alloys and copper.

Features & Benefits

| | |
|-------------------------|----------------------|
| Non-Dusting | Free flowing powder |
| Chelator Free | Easily waste treated |
| Advanced wetter Package | Non-foaming |

Physical Data

| | |
|-------------------|-------------------------------------|
| Concentrations | 8 – 18 oz/Gal |
| Temperatures | 110°F – 200°F |
| Current Densities | 60 – 200 amps/ft ² |
| Equipment | Mild steel tanks, anodes, and coils |
| Ventilation | Required |

Operating Conditions

Considerable heat is generated when Cleaner 200 PWA STR is dissolved in water. A new solution should be prepared by filling the tank half full of warm water (approx. 100°F), and slowly adding Cleaner 200 PWA STR while continuously stirring. After the Cleaner 200 PWA STR has been dissolved, add the remainder of the cold water. Heat or cool to desired operating temperature before use.

Note: When adding Cleaner 200 PWA STR to an operating solution, add slowly to avoid solution eruption

Titration Method

1. Pipette 10 mL of Cleaner 200 PWA STR solution into 250 mL Erlenmeyer flask.
2. Add 100 mL of water and 4 to 5 drops Phenolphthalein indicator.
3. Titrate with 0.5 N Hydrochloric Acid until the solution turns to a clear end point.
4. Record mL used.



Cleaning
the Hard to Clean



Finishing
the Hard to Finish



Treating
the Hard to Treat

Calculation

$$\begin{aligned} \text{Factor (oz/Gal)} & 0.33 \\ \text{Factor (g/L)} & 2.46 \\ \text{Concentration} & = \text{mL } 0.5 \text{ N HCl} \times \text{Factor} \end{aligned}$$

Test Kit Method

1. Fill Test Bottle $\frac{1}{4}$ full of water.
2. Using syringe, add a $\frac{1}{2}$ mL sample of Cleaner 200 PWA STR.
3. Add 5 to 10 drops of Methyl Orange Indicator.
4. Add drop-wise 0.72 N HCl until color changes from yellow to orange.
5. Record the number of drops used.

Calculation

$$\begin{aligned} \text{Factor (oz/Gal)} & 0.30 \\ \text{Factor (g/L)} & 1.99 \\ \text{Concentration} & = \# \text{ Drops } 0.72 \text{ N HCL} \times \text{Factor} \end{aligned}$$

Waste Disposal

Discharge rinse waters and spent solutions to a permitted disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Cleaner 200 PWA STR 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. Consult SDS for details.

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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