



Technical Data Sheet

Product Code: ASEA085 Revised Date: 5/01/2025

Seaclean 85EP

Product Description

Seaclean 85EP is a heavy duty, powdered, alkaline electro cleaner designed for steel, stainless steel, and cast iron. Seaclean 85 EP is a high alkalinity, chelated and phosphated electro cleaner formulated to be very effective at removing smut from ferrous substrates.

Performance Features

- Wide operating range.
- Powdered concentrate.
- Free rinsing in either hard or soft water.
- High conductivity for maximum gassing and cleaning effect.
- Excellent smut removal.
- Non-dusting.
- Excellent tolerance to soils and a wide range of oils and compounds.

Equipment Requirements

Tanks: Mild steel tank or any material suitable for hot alkaline solutions.

Heating: Mild steel heating coils or immersion heaters may be used.

Ventilation: Tanks should be ventilated to remove steam generated by the high temperature operation.

Other optional equipment: Automatic feeder and controller, oil skimmer, overflow system with holding tank to segregate floating contaminants.

Required Inventory

Seaclean 85EP: Required for make up and replenishment.

Operating Conditions

Electrocleaning	Optimum Range
Seaclean 85EP	60 g/L (8 oz/gallon) 45 – 90 g/L (6 - 12 oz/gallon)
Immersion Time	as required - 0.5 - 10 minutes
Temperature	60 - 94°C (140 - 200°F)
Anodic Current Density	50 - 150 amperes per square foot



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Control

Reagents:

- Phenolphthalein Indicator
- Standard 1.0 N Sulphuric Acid Solution

Procedure:

1. Pipette a 5 ml sample into a 250 ml Erlenmeyer flask and add 100ml D.I. water.
2. Add 5 drops phenolphthalein indicator.
3. Titrate with 1.0 N sulphuric acid to colourless.

Calculation:

- $(\text{ml of 1.0 N Sulphuric Acid}) \times 1.46 = \text{oz/gallon Seaclean 85EP}$
- $(\text{ml of 1.0 N Sulphuric Acid}) \times 10.95 = \text{g/L Seaclean 85EP}$

READ THE SDS BEFORE USING THIS PRODUCT

Customer Notice: Seacole strongly encourages its customers to review their manufacturing processes and their applications of Seacole products from the standpoint of human health and environmental quality to ensure that Seacole products are not used in ways for which they are not intended or tested. Seacole personnel are available to answer your questions and to provide reasonable technical support. Seacole product literature, including safety data sheets, should be consulted prior to use of Seacole products.



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