



# Technical Data Sheet

Product Code: ASEA083 Revised Date: 3/10/2025

## Seaclean 83 EP

### Product Description

Seaclean 83 EP is a heavy duty, powdered, alkaline electro cleaner designed for steel, and stainless steel. Seaclean 83 EP is a phosphate free, high alkalinity, non-chelated and non-emulsifying electro cleaner formulated to be effective for direct, or reverse current electro cleaning.

### Performance Features

- Phosphate free.
- Wide operating range.
- Powdered concentrate.
- Floats most water-soluble oils extending cleaner life.
- High conductivity for maximum gassing and cleaning effect.
- Non-dusting.
- Excellent tolerance to soils and a wide range of oils and compounds.
- High alkalinity, non-chelated and non-emulsifying product.

### Physical Specifications

Physical State	Powder
Appearance	Off-White
pH	>12
Rinsability	Excellent

### Equipment Requirements

Tanks should be constructed out of mild steel or industrial material suitable for hot alkaline solutions. Heating coils should be constructed out of mild steel or immersion heaters may be used. Follow industrial ventilation standards. Automatic feeder and controller, oil skimmer, overflow system with holding tank are all optional equipment for use with Seaclean 83 EP.

### Product Make-Up

Seaclean 83 EP is a concentrated industrial cleaner. Dilute to specified concentration.



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## Concentration and Application Method

Fill tank 3/4<sup>th</sup> full of clean water. Add 6oz to 16oz of Seaclean 83 EP per gallon slowly to the tank. Add clean water to fill, mix well and heat to between 150°F and 195°F. The bath should be discarded and made up new based on workload processed through, or when cleaning becomes insufficient.

	Optimum	Range
Seaclean 83 EP	8oz per gallon (60 g/L)	6oz to 16oz per gallon (45-120 g/L)
Immersion time	As required	> 3minutes
Temperature	180°F (75°C)	150°F to 195°F (65°C to 90°C)
Current Density		20ASF to 100ASF

## Control and Replenishment

1. Pipet 10mL sample of working bath into a 250mL Erlenmeyer flask.
2. Add 100mL of DI water.
3. Add 5 drops of phenolphthalein indicator.
4. Titrate with 1.0N hydrochloric acid to colorless

## Calculation

$(\text{mL } 1.0\text{N Hydrochloric Acid}) \times 0.8 = \text{opg Seaclean 83 EP}$

$(\text{mL } 1.0\text{N Hydrochloric Acid}) \times 6.0 = \text{g/L Seaclean 83 EP}$

## Companion Products

Please see Seacole's Seaclean series for additional Metal Finishing products.

## Safety and Handling

Please review and understand the Seaclean 83 EP SDS before handling.

## Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations.

## Ordering Information

Seaclean 83 EP is available in 50# bags and 400# drums.



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