



Technical Data Sheet

Product Code: ASEA082 Revised Date: 3/10/2025

Seaclean 82 EP

Product Description

Seaclean 82 EP is a heavy duty, powdered, alkaline electro cleaner designed for steel, and stainless steel. Seaclean 82 EP is a high alkalinity, non-chelated and non-emulsifying electro cleaner formulated to be effective for direct, or reverse current electro cleaning.

Seaclean 82 EP has a long-standing reputation as a great electro cleaner for critical cleaning applications such as bright nickel plating lines.

Performance Features

- Wide operating range.
- Powdered concentrate.
- 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.

Product Make-Up

Seaclean 82 EP is a concentrated industrial cleaner. Dilute to specified concentration.



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Concentration and Application Method

Fill tank 3/4th full of clean water. Add 6oz to 12oz of Seaclean 82 EP per gallon slowly to the tank. Add clean water to fill, mix well and heat to between 150°F and 190°F. The bath should be discarded and made up new based on workload processed through, or when cleaning becomes insufficient.

	Optimum	Range
Seaclean 82 EP	8oz per gallon (60 g/L)	6oz to 12oz per gallon (45-90 g/L)
Immersion time	As needed	Usually > 3 minutes
Temperature	180°F (82 °C)	150°F to 190°F (65°C to 88°C)
Current Density	As required	20 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

$$\begin{aligned} &(\text{mL } 1.0\text{N Hydrochloric Acid}) \times 0.8 = \text{opg Seaclean 82 EP} \\ &(\text{mL } 1.0\text{N Hydrochloric Acid}) \times 6.0 \text{ g/L Seaclean 82 EP} \end{aligned}$$

Companion Products

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

Safety and Handling

Please review and understand the Seaclean 82 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 82 EP is available in 441# drums.



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