



Technical Data Sheet

Product Code: ASEA084 Revised Date: 3/10/2025

Seaclean 84 EP

Product Description

Seaclean 84 EP is a heavy duty, alkaline electro cleaner designed for steel and stainless steel. Seaclean 84 EP is formulated to be effective for direct or reverse current electro cleaning. Seaclean 84 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.
- Free rinsing in either hard or soft water.
- Excellent tolerance to soils and wide range of oils and compounds.

Physical Specifications

Physical State	Powder
Appearance	Off-White
pH	>12
Risibility	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, and overflow system with holding tank are all optional equipment for use with Seaclean 84 EP.

Product Make-Up

Seaclean 84 EP is a concentrated industrial cleaner. Dilute to specified concentration.

Concentration and Application Method

Fill tank 3/4th full of clean water. Add 6oz to 16oz of Seaclean 84 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.



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Electrocleaning		
	Optimum	Range
Seaclean 84 EP	8oz per gallon (60 g/L)	6oz to 16oz per gallon (45-90 g/L)
Immersion time	As required	1 to 5 mins or as required
Temperature	160°F (82°C)	140°F to 180°F (60°C to 82°C)
Anodic Current Density		50ASF to 100ASF (ampere per sqft)

Chrome Stripping		
	Optimum	Range
Seaclean 84 EP	7oz per gallon (60 g/L)	6oz to 8oz per gallon (45-60 g/L)
Immersion time	As required	2 to 3 mins
Temperature	75 °F (23.5°C)	70°F to 80°F (20°C to 27°C)
Anodic Current Density		20 to 50ASF

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

(mL 1.0N Hydrochloric Acid) X 0.8 = opg Seaclean 84 EP

(mL 1.0N Hydrochloric Acid) x 6.0 = g/L Seaclean 84 EP

Companion Products

Please see Seacole's Seaclean series for other applications in Metal Finishing.

Safety and Handling

Please review and understand the Seaclean 84 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 84 EP is available in 50# bags and 400# drums.



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