



Technical Data Sheet

Product Code: **ASEA435** Revised Date: **5/01/2025**

Seaclean 435SL

Product Description

Seaclean 435SL is a, liquid, heavy duty emulsifying cleaner suitable for both soak and electro cleaning of steel, cast iron and stainless steel. This is a high alkalinity, phosphate free, heavy-duty product formulated to be effective with or without reverse electro cleaning.

Performance Features

- Can be used as soak and electro cleaner.
- Excellent for removing smut and scale.
- Liquid concentrate – safer to use than powdered cleaners.
- High conductivity for maximum gassing and cleaning effect.
- Not sensitive to hard water.
- Very economical system.
- Well suited for rack and barrel plating.
- Good rinsing properties.
- Can be used with ultra filtration systems.
- Suitable for water-soluble oils, mineral oils, drawing 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 435SL: Required for make up and replenishment.

Operating Conditions

Seaclean 435SL	Optimum Range
Soak Cleaning	6 % v/v 4 - 12 % v/v
Electro Cleaning	8 % v/v 6 – 15% v/v
Immersion Time	as required - 3 - 8 minutes typical
Temperature	60 – 90°C (140 – 195°F)
Current Density	20 – 100 amperes per square foot



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Control

Reagents:

- Phenolphthalein Indicator
- Standard 1.0 N Sulphuric Acid Solution

Procedure:

1. Pipette a 25 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.

Calculation:

- $(\text{ml of 1.0 N sulphuric acid}) = \% \text{ Seaclean 435SL}$

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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