

Seaclean 150

Heavy-Duty Electro Cleaner for Ferrous and Non-Ferrous Metals (Metal Finishing)

Product Description

Seaclean 150 is a concentrated alkaline, non-phosphated cleaner specifically designed for electro cleaning copper, steel and other ferrous metals.

Performance Features

- Provides Excellent Surface Wetability
- Removes Soils, Grease And Other Organic Surface Residues
- Provides Long Bath Life
- Is Economical To Use
- Biodegradable; Easy To Waste Treat
- Non-phosphated

Physical Specifications

Physical State	Powder
Appearance	Yellow
pH (10% solution)	> 12
Water Solubility	Complete
Rinseability	Excellent

Equipment Requirements

Tanks: Tanks should be constructed of steel or stainless steel.

Heating Coils: Cold rolled steel, stainless steel or titanium.

Heating Control: Automatic temperature controls are recommended.

Ventilation: Follow as required by industrial ventilation book.

Filtration: Continuous filtration increases cleaning efficiency and prolongs bath life.

Product Make-Up

1. Fill tank 3/4 full of clean water.
2. Add required amount of Seaclean 150 alkaline cleaner slowly while mixing.
3. Add water to desired level.

Note: Seaclean 150 is an alkaline cleaner and must be added slowly to water. Heat may be generated by mixing.

Technical Data Sheet

Operating Parameters

Concentration	4 - 16 oz/gallon
Time	1 - 5 minutes
Temperature	140° - 180°F
Current Density	50 ASF min

Control and Replenishment

Maintain the solution concentration as determined by the analytical procedure below. The bath should be discarded and made up new based on work load processed through, or when cleaning becomes insufficient.

The concentration of Seaclean 150 can be calculated using the procedure below:

Equipment Required

Buret, 50 ml
Erlenmeyer flask, 250 ml
Pipet, 5 ml

Reagents Required

Methyl orange indicator
Sulfuric acid, 1.0N standardized

Procedure

- 1) Pipet 5 ml of sample of working bath into a 250 ml Erlenmeyer flask.
- 2) Add 50-75 ml DI water.
- 3) Add approximately 5-10 drops of methyl orange indicator.
- 4) Titrate with 1.0N standardized sulfuric acid to pink end point.

Calculation

Mls of 1.0N sulfuric acid x 1.68 = oz/gallon of Seaclean 150

Add Seaclean 150 to maintain the desired concentration.

Safety and Handling

Read and understand this products MSDS before handling.

Waste Treatment

Spent bath of Seaclean 150 should be tested for regulated heavy metals being processed through the solution and should be treated according to local, state, and federal regulations before pH adjustment. Contact Seacole for specific details and/or further waste treatment recommendations.

Ordering Information

Seaclean 150 is available in 50 lb. pails and 400 lb. drums.



SeacoleERC

[Environmentally Responsible Chemistry]

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