

Seaclean 135 Heavy-Duty Powdered Soak Cleaner / Degreaser

Product Description

Seaclean 135 is a concentrated alkaline cleaner / degreaser specifically designed for cleaning and degreasing copper, steel and a complete line of ferrous metals.

Performance Features

- Easily Removes Soils, Grease, Organic And Carbon Residues From Metal Surfaces
- Works Quickly And Effectively Over A Wide Temperature Range
- Easily Rinseable, Thus Reduces Rinse Cycle Time
- Very Economical To Use
- Biodegradable; Easy To Waste Treat
- Non-Chelated

Physical Specifications

Physical State	Powder
Appearance	Yellow
pH	> 13
Water Solubility	Complete
Rinseability	Excellent

Equipment Requirements

Tanks: Tanks should be constructed of steel or stainless steel 316.

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

Heating Control: Automatic temperature controls are recommended.

Ventilation: Follow as required by industrial ventilation book.

Product Make-Up

1. Fill tank 3/4 full of clean water.
2. Add required amount of Seaclean 135 alkaline cleaner slowly while mixing.
3. Add water to desired level, mix well and heat to operating temperature.

Note: Seaclean 135 is an alkaline cleaner and must be added slowly to water. Heat may be generated by mixing.

Technical Data Sheet

Operating Parameters

Concentration	6 - 16 oz/gallon
Time	2 - 10 minutes
Temperature	140° - 180°F

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 percent of Seaclean 135 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 H₂SO₄ x 1.38 = oz/gallon of Seaclean 135
Add Seaclean 135 to maintain the desired concentration.

Safety and Handling

Read and understand this products MSDS before handling.

Waste Treatment

Spent bath of Seaclean 135 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 135 is available in 50 lb. pails and 400 lb. drums.



SeacoleERC

[Environmentally Responsible Chemistry]

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