



Seaclean EL

Alkaline Soak Spray-Wash Detergent

Product Description

Seaclean EL is an inhibited alkaline liquid detergent for maintenance or production cleaning of electrical equipment and metal parts, aircraft components or other parts requiring low residue, in high-pressure spray wash cabinet and conveyor systems.

Performance Features

- Quickly removes grease, oils, carbonaceous soils, and other soils.
- Leaves no residue after rinsing to avoid conductivity problems in motor windings. Will not attack electrical insulation and varnishes.
- Contains no glycol ethers, HAPS or VOCs, and is biodegradable and environmentally safe.
- Long bath life and low use concentrations provide exceptional value with low use costs.
- Provides operator safety. Will not erupt when mixed in hot water like caustic-based products.
- Will not build excess foam in spray cabinets at operating temperatures (above 140° F)
- Contains no silicone to interfere with new coatings or paint.
- Aerospace Qualified - Conforms to Boeing D6-17487, Douglas CSD #1, and AMS 1526B
- Excellent with ultra-filtration systems.

Physical Specifications

Physical State	Liquid
Appearance	Amber
pH	≈ 12
% VOC / HAP	None
Rinseability	Excellent

Equipment Requirements

TANKS: Tanks should be steel, 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

Fill tank 3/4 full of clean water. Add required amount of Seaclean EL. Add water to level, mix well, and heat to operating temperature.

Technical Data Sheet

Operating Parameters

Concentration

2-10% by volume

Time

2 - 5 minutes depending on equipment type being used and level of concentration.

Temperature

140° - 180°F

The percent of Seaclean EL can be calculated using the procedure below:

Equipment Required

Buret, 50ml
Erlenmeyer flask, 250ml
Pipet, 20ml

Reagents Required

Phenolphthalein
Sulfuric Acid 0.1N standardized

Procedure

1. Pipet 20 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 phenolphthalein.
4. Titrate with 0.1N standardized sulfuric acid to clear end point.

Calculation

$$\% \text{ Seaclean EL} = (\text{ml H}_2\text{SO}_4)(.1)(2.72)$$

Add Seaclean EL to maintain the desired concentration.

Safety and Handling

Read and understand this products MSDS before handling.

Waste Treatment

Spent bath of Seaclean EL should be tested for regulated heavy metals that are being processed through. The solution should be treated according to local, state, and federal regulations before pH adjustment and dumping.

Ordering Information

Spraydet EL is available in 5 gallon pails, 55 gallon drums, and 275 gallon totes.



SeacoleERC

[Environmentally Responsible Chemistry]

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