



# Technical Data Sheet

Product Code: ASEA480 Revised Date: 12/9/2024

## Seaclean 480 SEP

### Product Description

Seaclean 480 SEP is a concentrated powdered mildly alkaline combination soak and electro cleaner for use on both ferrous and non-ferrous metals.

### Performance Features

- Wide operating range
- Powdered concentrate
- Finds application on a wide range of substrates including brass, copper, zinc die cast and white metal
- Contains a chrome reducer, an advantage when racks are not stripped on chrome lines
- Non-dusting product.
- Concentrated surfactant package offering excellent detergency.
- Removes all soils and a wide range of oils and compounds.
- Low alkalinity product, making it operator friendly.

### Equipment Requirements

**TANKS:** Steel tanks and equipment are suitable.

**HEATING AND COOLING:** Steel heaters and coils are suitable.

**AGITATION:** Not required.

**VENTILATION:** Consult local environmental agencies.

### Operating Conditions for Soak Cleaning

	<u>Zinc Die Castings</u>	<u>Steel, Brass &amp; Copper</u>
<b>Seaclean 480 SEP</b>	4 to 6 oz/gal (37 - 75 g/l)	6 to 8 oz/gal (45 – 60 g/L)
<b>Immersion Time:</b>	1 to 3 minutes	
<b>Temperature:</b>	130 to 150°F (55 to 65°C)	

### Operating Conditions for Electro cleaning

	<b>Zinc</b>	<b>Copper &amp; Steel</b>	<b>Brass</b>
<b>SEACLEAN 480 SEP</b>	5 to 8 oz/gal (35 - 60 g/L)	8 to 12 oz/gal (60 to 90 g/L)	5 to 8 oz/gal (35 – 60 g/L)
<b>Immersion Time:</b>	30 to 120 seconds	30 to 120 seconds	30 to 120 seconds
<b>Temperature:</b>	130 to 150°F (55 to 65°C)	160 to 180°F (70 to 85°C)	160 to 180°F (70 to 85°C)
<b>CURRENT DENSITY</b>			
<b>Anodic(Reverse):</b>	15 to 25 ASF	15 to 60 ASF	15 to 25 ASF
<b>Cathodic (Direct):</b>	X	15 to 60 ASF	15 to 60 ASF

ASF = Amperes per Square Foot

If solder is present on parts, recommended polarity is Cathodic



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## Concentration Management

### Reagents:

Standardized 1.0N Hydrochloric acid  
Phenolphthalein Indicator solution.

### Procedure:

1. Pipette a 10 ml sample into a 250 ml Erlenmeyer flask and add 100ml D.I. water.
2. Add 5 drops of Phenolphthalein Indicator solution.
3. Titrate with 1.0N Hydrochloric acid until end point is reached.

### Calculation:

(mls of 1.0N Hydrochloric acid) x 1.06 = oz/gal of Seaclean 480 SEP

## Safety and Handling

Please review and understand the PRODUCT SDS before handling.

## Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations.



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