



# Technical Data Sheet

Product Code: **ASEA380** Revised Date: **12/9/2024**

## Seaclean 380 SEL

### Product Description

Seaclean 380 SEL is a liquid surfactant package suitable for both soak and electro cleaning of steel, cast iron and stainless steel. This is a medium alkalinity, non-chelated, heavy-duty soak and electro cleaner formulated to be effective with or without reverse electro cleaning.

### Performance Features

- Add caustic as required by analysis
- Can be used as soak and electro cleaner
- Can be oil splitting or emulsifying depending on caustic level
- Excellent for removing smut and scale
- Liquid concentrate – safer to use than powdered cleaners
- Non-hazardous product
- High conductivity for maximum gassing and cleaning effect
- Not sensitive to hard water
- Very economical system
- Especially suited for barrel plating
- Good rinsing properties
- Can be used in 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.

### Product Make-Up

**Seaclean 380 SEL:** Required for make-up and replenishment. Dilute to specific concentration prior to use.

**50% CAUSTIC SODA:** Required for make-up and replenishment.

### Operating Conditions

	Optimum	Range
<b>Seaclean 380 SEL:</b>	2 % v/v	1 to 5 % v/v
<b>50% CAUSTIC SODA:</b>	3% v/v	2 to 8 % v/v
<b>Immersion Time:</b>	usually 3 minutes	as required
<b>Temperature:</b>		140 to 195°F (60 – 90°C)
<b>Current Density:</b>		20 to 100 ASF
		ASF= amperes per square foot

### Concentration Management

Reagents:

Phenolphthalein Indicator

Standardized 1.0 N Sulfuric Acid Solution



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## Procedure:

1. Pipette a 5 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 Sulfuric acid.

Calculation: (ml of 1.0 N Sulfuric acid) = % v/v of 50% caustic soda

Add caustic as required by analysis and add Seaclean 380 SEL in ratio to the caustic add.

## 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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