



Technical Data Sheet

Product Code: ASEA283 Revised Date: 12/9/2024

Seaclean 283 SL

Product Description

Seaclean 283 SL is a high detergent, mildly alkaline, emulsifying, non-etch, silicate free liquid soak cleaner for aluminum and its alloys, including sheet, castings, extrusions and tubing. At temperatures below 130°F (54°C) Seaclean 283 SL will not etch aluminum.

Performance Features

- Wide operating range.
- Suitable for ferrous and zinc substrates.
- Provides mild deoxidizing properties which will clean and brighten aluminum surfaces.
- Highly buffered liquid concentrated product.
- Finds application on a wide range of sensitive metals.
- Ideal for non-etch cleaning of aluminum prior to electro less nickel plating.
- Rapidly removes light soil and light polishing compounds.
- Mild alkalinity product, making it operator friendly.

Equipment Requirements

Tanks:	Stainless Steel, fiberglass or polypropylene tanks and equipment are suitable.
Heating and Cooling:	Stainless Steel heaters and coils are suitable
Agitation:	Mechanical agitation of work or solution will increase cleaning rate.
Ventilation:	Consult local environmental agencies.

Operating Conditions

Seaclean 283 SL	5-10% v/v
Immersion Time	2 – 5 Minutes
Temperature	120 to 140°F (50 to 60° C)

- For high technology parts such as memory disks, deionized or distilled water should be used.
- For non-etch cleaning, the solution temperature should not exceed 130°F (54°C).

Maintenance

The concentration of SEACLEAN 283 SL is controlled by analysis.

Control

SEACLEAN 283 SL:

Reagents:

Standard 0.1N Sulphuric Acid

Bromophenol Blue Indicator

Procedure:

1. Pipette a 2 ml sample into a 250 ml Erlenmeyer flask and add 100 mls D.I. water.
2. Add 5 drops of Bromophenol Blue indicator solution.
3. Titrate with 0.1N Sulphuric Acid until a yellow end point is reached.



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Calculation: (mls of 0.1N Sulphuric Acid) x = % v/v of SEACLEAN 283 SL

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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