



Technical Data Sheet

Product Code: ASEA203 Revised Date: 12/9/2024

Seaclean 203

Product Description

Seaclean 203 is the latest Seacole chemistry specifically designed to deoxidize/desmut aluminum prior to anodizing and chromating. Seaclean 203 is a non-chromated blend, yet it outperforms all chromate blended products.

Performance Features

- Easy to rinse
- Operates at room temperature
- Does not chelate metals
- No chromates

Equipment Requirements

TANKS: 316 stainless, or mild steel lined with pvc or polyethylene. Continuous agitation is recommended to increase effectiveness.

Product Make-Up

1. Fill tank $\frac{3}{4}$ full of clean water
2. Add required amount of Seaclean 203
3. Add water to level, mix well, and start running bath

Operating Parameters

Concentration	10-20% by volume
Temperature	Room Temperature
Time	20 seconds – 10 minutes

Control & Replenishment

Maintain the solution concentration as determined by the analytical procedure below. The percent by volume of Seaclean 203 can be calculated using the procedure below:

<i>Equipment Required</i>	<i>Reagents Required</i>
Buret, 50 ml	Potassium Iodide solution
Erlenmeyer flask, 250 ml	0.1 Sodium Thiosulfate
Pipet, 2ml	1% Starch Indicator

Procedure:

- 1) Pipet 2 ml sample of working bath into a 250 ml Erlenmeyer flask.
- 2) Add 50-75 ml DI water.
- 3) Add 15 ml of 15% Potassium Iodide solution. At this point the solution will turn dark yellow-brown.
- 4) Titrate with 0.1N Sodium Thiosulfate until it is light yellow-brown in color.
- 5) Add 5 ml of 1% Starch Indicator solution. At this point the solution will turn a dark blue color.
- 6) Continue titration with 0.1N Sodium Thiosulfate until the solution turns to a clear light purple or blue color.
- 7) Record the number of ml of Sodium Thiosulfate.



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Calculation:

% by volume Seaclean 203 = mls of 0.1N Sodium Thiosulfate x 5.1
Add Seaclean 203 to maintain the desired concentration

This product bulletin lists certain operating guidelines for the use of this product, however, individual operations are unique and there is flexibility in determining final use parameters to meet needed requirements.

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.

Ordering Information

Seaclean 203 is available in 5 gallon pails, 55 gallon drums, and 275 gallon totes.



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