



# Technical Data Sheet

Product Code: 0042000 Revised Date: 5/01/2025

## AlumiBrite

### Product Description

AlumiBrite is a non-flammable, non-chlorinated, liquid formulated to desmut wrought aluminum alloys. It is free of the red precipitate commonly associated with non-chromated powders. AlumiBrite desmuts rapidly leaving a clean, bright finish. It is also an excellent brightener for brass and copper.

AlumiBrite works by oxidizing smut to a form that is very soluble in selected acids. These acids then remove the undesirable impurities, brightening the surface.

AlumiBrite should be used at a concentration of 8-10% (or up to 20% as recommended) by volume of a room temperature solution. Lower temperatures increase the desmutting times. Room temperature varies from 15 seconds to 5 minutes in time depending upon alloy composition and AlumiBrite bath age and concentration.

### Equipment Requirements

The AlumiBrite Bath Tank must be constructed of series 316 Stainless Steel or lined with Polyvinyl Chloride or Polyethylene. Mild steel or other series of stainless steel are not acceptable. Because of the highly acidic nature of AlumiBrite the rinse tank following the desmutter bath should also be 316 Stainless or properly lined.

### Concentration and Application Methods

#### Bath Control Procedure

1. Pipette a 10 ml tank sample into a 250 ml Erlenmeyer flask. Add approximately 50 ml of DI water.
2. Add a scoop of Sodium Gluconate and 3 drops of Phenolphthalein.
3. Titrate with 1N Sodium Hydroxide until a Red-Orange color appears. (Volume should be about 4- 8 ml)

#### Calculation

Titration (ml of 1.0N Sodium Hydroxide) x 1.25 = % by volume AlumiBrite.

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 specific requirements.

### Safety and Handling

Read and understand this product SDS before handling.

### Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations. Contact Seacole for specific details and/or further waste treatment recommendations.



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