

# ACCU-LABS INC.

4831 S. Whipple Avenue  
Chicago IL 60632  
Phone: 773.523.3100 Fax: 773.523.4008  
[www.accu-labs.com](http://www.accu-labs.com)

**A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01**

## **142 ALUMINUM DESMUT** **Liquid Deoxidizer - Desmut for Aluminum**

### **Introduction**

Modern metal finishing demands products that are versatile, easy to use and control, and cost effective. **ACCU-LABS 142 Desmut** is formulated to achieve all of these while producing a clean, white, aluminum surface free of silicon and alloying metals. **ACCU-LABS 142 Desmut** is especially effective for troublesome high-silicon 6000 series alloys, producing maximum quality for your anodized or chromated work.

### **Features and benefits**

Liquid product	Easy to mix and measure
Versatile	Works on all wrought and extrusion alloys
Economical	Long solution life
Non-chromated formula	Safer for employees and environment

### **Operating Guidelines for ACCU-LABS 142 Desmut**

Concentration	5 - 10 % by volume
Immersion time	10 - 30 seconds
Temperature	60 - 90 <sup>0</sup> F (15 - 30 <sup>0</sup> C)

## **Make-up and maintenance of ACCU-LABS 142 Desmut solutions**

Properly maintaining your **ACCU-LABS 142 Desmut** solution will result in excellent production rates and maximum solution life.

- 1) Clean and rinse all tanks and equipment before making up working solution. All construction should be of suitable strength polypropylene or polyethylene, reinforced as necessary. (Steel, protected by a drop-in liner, is acceptable; however, tears in the liner will allow escape of solution that will corrode the steel.)
- 2) Fill tank  $\frac{3}{4}$  full with water (tap water is generally suitable). Add the required amount of **ACCU-LABS 142 Desmut** based upon your typical usage. Mix thoroughly.
- 3) Fill tank to working volume. If solution is colder than suggested, live steam or corrosion-resistant immersion heaters may be used to bring temperature into working range. Solution is now ready to use.
- 4) Use only the amount of **ACCU-LABS 142 Desmut** required for your type of work. Excess concentrations may result in a secondary etch of the aluminum. Low concentrations will not produce a clean aluminum surface, leaving a film that will reduce the quality of your work.
- 5) Small, frequent additions of **ACCU-LABS 142 Desmut** will give you more consistent results than larger, less frequent additions. Many factors, such as surface area and drag-out, affect addition rates, and your experience is the best guide to maintenance. The use of an ORP probe and feed pump make solution maintenance simplest.
- 6) Adjust immersion conditions as production changes. There is no combination of time, temperature, and concentration that is suitable to all work.

## **Safety and handling**

**ACCU-LABS 142 Desmut** is a hazardous product which contains mineral acids and oxidizers. Read and understand the Material Safety Data Sheet before using this product. Wear eye and face protection and chemical-resistant protective clothing while handling and working with this material.

## **Non-warranty**

The information contained in this bulletin is, to the best of our knowledge, true and accurate. All recommendations are made without guarantee. Accu-Labs Inc. disclaims any and all liability arising from the use of this product or the information contained herein.