

# TECHNICAL DATA

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THIS CHEMICAL IS  
FORMULATED FOR

**WARNING** INDUSTRIAL USE ONLY

Contact with skin or clothing or other improper handling or use of this product may result in bodily harm or other damage. Before using or mixing the contents with other substances, all labels applied to container, the applicable Technical Data Sheet and Material Safety Data Sheet should be read and specific instructions and precautions followed to assure correct use and personal safety.

# ALUMIBRITE 6

## INTRODUCTION

ALUMIBRITE 6 is a liquid, acid based immersion cleaner for aluminium substrates. It effectively removes drawing lubricants and aluminium oxide corrosion allowing the surface to be further pretreated or painted.

## OPERATION

CONCENTRATION	-	20-120 litres per 1000 litres-2-12%
TEMPERATURE	-	15 - 30°C
IMMERSION TIME	-	1 - 5 minutes

## TESTING

- 10 ml bath sample
- 50 ml distilled water
- Titrate with 1 N Sodium Hydroxide using Methyl Orange as the first indicator. Titrate to a yellow end point. Record titre as "A".
- To the same sample add a few drops of Phenolphthalein. Continue titrating to a pink end point. Record this titre as "B".

## CALCULATION

Total Acid Concentration:  $A + B = \% \text{ ALUMIBRITE 6}$

Aluminium Concentration:  $B \times 0.9 = \text{g/L Aluminium}$

## RECOMMENDED OPERATING RANGE:

- 2-12% Total Acid Concentration
- Less than 10 g/L

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## **EQUIPMENT**

Tanks must be made from PVC, polyethylene or stainless steel. All welds should be passivated with 15% NITRIC ACID for 20 minutes at 50°C.

## **SAFETY**

ALUMIBRITE 6 contains Hydrofluoric Acid.

Gloves, apron and face shield should be worn when handling the liquid. Spills should be neutralized with Soda Ash and washed away immediately. If splashed onto skin or eyes, wash immediately with copious amounts of water - **SEEK MEDICAL ATTENTION.**

Please refer to the Material Safety Data Sheet before using Alumibrite 6.