

TECHNICAL DATA SHEET**Alukleen****Acidic Etch Cleaner for Aluminium**

Description	An acidic, light etch cleaner for aluminium, which will degrease, etch and deoxidise in one operation.
Features	<ul style="list-style-type: none">• Designed to operate at low temperatures, reducing energy requirements.• Produces even, low etch, matt finishes over wide temperature and concentration ranges.• Removes light grease and oil.• May be used by spray or immersion.• Minimal sludge or scale formation.• Ideal for use on aluminium pressings and extrusions, prior to chromating and/or powder coating operations.• Does not contain Hexavalent Chromium.
Product Code	MP0814
SG	1.16 ± 0.1 kg/l at 15°C.
Equipment	The tank and water rinse tanks should be acid resistant, and made of polypropylene (recommended), stainless steel or rigid PVC.
Initial Fill	The product can be used between 1.5% and 15% by volume (see Control Points below). Higher concentrations will be needed to remove heavy soils and corrosion. Stir bath thoroughly.
Application	Heavy contamination (e.g. from grease, oil or lubricants) may be removed by T Cleaner 70 (MP0035) prior to using Alukleen. The process sequence is: <ol style="list-style-type: none">1. Alukleen dip or spray until sufficiently cleaned and etched.2. Cold water rinse.3. Proceed to subsequent chemical treatment.
Control Points	Concentration: 1.5 - 15% Temperature: 15° - 40°C Time: 30 seconds to 10 min. The time to clean and etch depends on concentration and temperature. A short immersion time can desmut aluminium. For spray operation, the lower concentrations and times are generally employed. For immersion applications, a concentration of 10%, with immersion time of 5 min, are typical.
Analytic Control	Alukleen should be analysed regularly to maintain maximum performance. <ul style="list-style-type: none">• Take a 25 ml aliquot of the working solution.• Add 50 ml water and 3-6 drops of Bromo-Phenol-Blue indicator.• Titrate with 1.0 M sodium hydroxide (colour change - yellow to blue).• Titre/ml x 0.8 = % (v/v) Alukleen. A Test Kit (MP0612) containing all the necessary items is available.

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Rinsing	Rinse the work thoroughly in a water tank, ideally fitted with a weir and continuously overflowing with water. Ideally, demineralized water should be used.
Shelf Life	2 years from date of manufacture when correctly stored in unopened containers.
Storage	The product should be stored in cool, dry, frost-free conditions, in sealed containers.
Health & Safety	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
Technical Support	For technical support in using this product, please contact: e: birminghamtech@trimite.com , or t: 0121 554 7000.
Date of Issue	June 2021.

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