

ABCO Triple Clean

[ABCO Products of Sacramento](#)

Primary Usage

ABCO Triple clean is an acidic cleaner used on aluminum. It will safely remove forming oils, marking inks, and machining lubricants as well as shop oils. ABCO Triple Clean has a advantage over other cleaners as it is ran at room temperature to save energy as well as it can be used as a cleaner, etch and deox all in one.

Application

Use of ABCO Triple Clean is used at 3-12% by volume. Fill tank with DI water 2/3 full. Add required amount of ABCO Triple Clean, mixing frequently. Add remaining cool DI water. It is run at room temperature between 70F- 80F. Time will vary between 2 to 7 minutes depending on soil. Follow this with a cool running rinse that is periodically dumped.

Chemical Composition

Contains Hydrofluoric and Phosphoric Acid

Equipment

Tanks should be made of rubber or rigid polypropylene. Equipment such as racks, baskets should be resistant to acid -fluoride solution.

Performance Data

ABCO Triple Clean is a low foam cleaner, deox and etch all in one. Easy to use at room temperature. It has a long bath life with a high tolerance to oils and greases.

Analytical procedure

1. Pipette 25 mls of sample into a 125 Erlenmeyer flask
2. Add 3-5 drops of Methyl Orange indicator into the solution
3. Titrate with 1N Sodium Hydroxide until color changes from red to yellow
4. Calculation: mls of 1N Sodium Hydroxide required x 1.02= concentration in % by volume of product in solution

Example: mls 1N Sodium Hydroxide	% by volume
2.0	2
3.9	4
5.9	6
7.8	8

Caution: Wear protective equipment when handling

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