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COLPREP AL DEOX 603-XL

TECHNICAL DATA
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COLPREP AL DEOX 603-XL

NON-CHROMATED ALUMINUM DEOXIDANT/DESMUTTER

COLPREP AL DEOX 603-XL	is a non-chromated and highly acidic liquid that, when diluted with water, will efficiently and economically remove oxides and smut from aluminum and many of its alloys – including some casting alloys.
COLPREP AL DEOX 603-XL	can remove oxides and smuts from parts in under 5 minutes. Agitation is beneficial in speeding up the deoxidizing/desmutting process.
COLPREP AL DEOX 603-XL	is used at a concentration of 10-20% by volume with water at room temperature.
COLPREP AL DEOX 603-XL	contains no chromates, phosphates, or phenolic compounds.

OPERATING PARAMETERS

	<u>RANGE</u>	<u>OPTIMUM</u>
COLPREP AL DEOX 603-XL:	10 - 20% by vol	15% by vol
Temperature:	70 - 100° F (21 - 32° C)	
Time:	1 - 5 minutes	1 minute

SOLUTION MAKEUP

1. Add the required amount of water to the tank.
2. Add the required amount of COLPREP AL DEOX 603-XL and mix.
3. The bath is now ready for use.

EQUIPMENT

Processing tanks should be plastic lined steel, fiberglass or ceramic. These tanks used, may also optionally be equipped with exhaust systems to protect workers against any possible irritating or corrosive airborne contaminants.

ANALYTICAL PROCEDURES

TITRATION METHOD

1. Pipet 10.0 mL of cleaner into a 250 mL Erlenmeyer flask and dilute to 50 mL with deionized water.
2. Add 3-5 drops of phenolphthalein.
3. Titrate with 1.0N NaOH to a red endpoint that persists for approximately 15 seconds.

CALCULATION: Concentration (% by volume) = mL 1.0 N NaOH x 1.47

HANDLING & STORAGE

Columbia Chemical recommends referring to the specific product Safety Data Sheets for safety, handling, and storage precautions.

NON-WARRANTY

The data contained in this bulletin is believed by Columbia Chemical Corp. to be accurate, true, and complete. Since, however, the final methods of use of this product are in the hands of the customer and beyond our control, we cannot guarantee that the customer will obtain the results described in this bulletin, nor can we assume responsibility for the use of this product by the customer in any process which may infringe the patents of third parties.