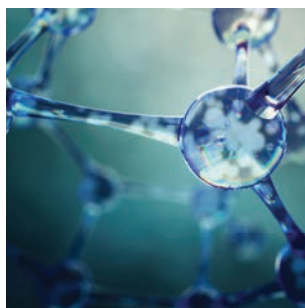


DIE CLEANER 44

Aluminum Etchant Concentrate

Technical Data Sheet



DIE CLEANER 44

is a concentrated aluminum etchant which is capable of holding tremendous amounts of aluminum in solution without producing the heavy sludge or scale associated with conventional etchants. Die Cleaner 44 produces a uniform matte or satin finish on all alloys with minimum reflectance.

OPERATING CONDITIONS

Concentration	4-12% by volume (see table 1)
Temperature	Ambient to 180°F
Contact Time	1-10 minutes
Equipment	Mild steel tanks, racks, etc. are satisfactory

TABLE 1

Dissolved Aluminum	% of volume of Die Cleaner 44
0-40 grams/liter	4 to 8.0
41-49 grams/liter	8.5
50-54 grams/liter	9.0
55-59 grams/liter	9.5
60-64 grams/liter	10.0
65-69 grams/liter	11.0
70-80 grams/liter	12.0
81-85 grams/liter	13.0

FEATURES & BENEFITS

- **Long solution life** When aluminum content reaches 80 grams/liter, simply decant a portion of the bath and add additional product and continue in operation. Die Cleaner 44 solutions will hold much more than 80 grams/liter of dissolved aluminum. However, we recommend staying below 85 grams/liter to maximize performance characteristics.
- **Uniform satin finish**
- **Safety** The addition of granular etchants to hot solutions often results in dangerous "Blow Back" (violent spattering). This problem is completely eliminated with Die Cleaner 44.
- **Accurate control** With simple but accurate titration procedures.
- **Product shelf life:** 8 months

SAFETY AND HANDLING

Die Cleaner 44 is a highly alkaline product containing caustic alkali which is corrosive to flesh. Normal precautions for handling caustic solutions should be observed. Specific handling and first-aid information is contained on the drum labels and in Safety Data Sheet forms available upon request.

STANDARD PACKAGE

55 gallon drum, tote bin and bulk delivery

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