

How do I increase the etch rate?
How do I reduce the etch rate?
Do I need to dilute the etchant?
How do I reduce undercutting?
Appearance
pH
Etch Rate at 25 oC
At 40 oC
Etch Capacity (rate declines at ~70%)
Shelf Life
Storage Conditions
Filtration
Recommended Operating Temperatures
Rinse
Photoresist Recommendations
Select Compatible Materials
Select Incompatible Materials
Compatible Plastics
Country of Origin
Availability
Available Sizes
Packaging
Packing
Isotropy
Incompatible Chemicals
Additional Information

1. The rate will approximately double with every 10 oC increase in temperature.
2. Increase the rate of stirring or agitation.
Adding 1 part deionized water to 2 parts etchant will reduce the etch rate approximately 50%.
No, it is ready to use.
Increase the rate of stirring or agitation.
Water-white to light yellow
Strong Acid
30 Å/second
80 Å/second
60 g/gallon
1 year
Ambient
0.2 mm
20-80 oC (30-40 oC most common)
Deionized water; may be followed by alcohol rinse if desired.
KLT6000 Series, KLT 5300 Series, HARE SQT (SU-8 type), TRANSIST, or PKP II <a href="http://transene.com/semi/#photo">http://transene.com/semi/#photo</a>
Silicon oxide, gold, nichrome
See <a href="http://transene.com/etch-compatibility/">http://transene.com/etch-compatibility/</a> for more details.
Aluminum oxide, silicon nitride
HDPE, PP, Teflon, PFA, PVC
USA
Stock item
Quart, Gallon, 5 Gallon, 55 Gallon
HDPE
4 gallons/case
Isotropic
Strong Bases
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