

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004
DateRun: 08/26/2004
Experimenters: Jason Marshall
ClientType: Electronics Manufacturer
ProjectNumber: Project #1
Substrates:
PartType: Coupon
Contaminants: Metal fines
Cleaning Methods: Ultrasonics
Analytical Methods:

Purpose: To generate a list of low surface tension solvents for cleaning in small openings.

Experimental Procedure: Using the laboratory's database for solvent cleaning substitution, the lab generated a list of products. The products have low surface tensions and are ideal for cleaning intricate parts.

Results:

Product	Surface tension
	dynes/cm
Asahiklin AK 225	16.2
CCA	18.8
MCA	15.2
Heavy Duty Deagreaser C	18.8
Flux Remover C	18.1
HFE 7100	13.6
HFE 71DE	16.6
HFE 7200	13.6
Ensolv	25.9
Ensolv A	25.9
LENIUM ES	TBD
LENIUM GS	25.9
Metalnox M6960	25.9
Solvon® PB	25.9
Solvon® IP	24.2
OS 10	15.2
OS 20	16.5
OS 30	17.3
VersaTran	27.5

Summary:

Substrates:					
Contaminants:	Metal fines				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
No Specific Vendor	Supplied alternatives list			<input type="checkbox"/>	

Conclusion: Cleaning varies from case to case. The SSL recommends process specific testing on potential replacement cleaning chemicals. If more information is needed on a particular product or you are interested in conducting cleaning trials, please contact the lab at (978)934-3133.