

# 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.

Product	Surface tension dynes/cm
Asahiklin AK 225	16.2
CCA	18.8
MCA	15.2
Heavy Duty Degreaser 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:	<b>Substrates:</b>				
	<b>Contaminants:</b> Metal fines				
	<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>
	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.