

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2005

DateRun: 01/03/2005

Experimenters: Jason Marshall

ClientType: Recycling

ProjectNumber: Project #1

Substrates: Other

PartType: Coupon

Contaminants: Resins/Rosins

Cleaning Methods:

Analytical Methods:

Purpose: To generate a list of alternatives for dissolving polystyrene.

Experimental Procedure: Using the laboratory's database for solvent cleaning substitution, the lab generated a list of products based on similar testing situations.  
Contaminant: Polystyrene scrap

Results: Searching the database for resin cleaning resulted in the following products that have been tested successfully.

Company	Product	Classification
Bio Chem Systems	Bio T 300 B	Terpene-Semi-Aqueous
Bio Chem Systems	Bio T Max	Terpene-Semi-Aqueous
Bio Chem Systems	Solsafe 245	Petroleum Distillate
Chrisal USA Inc	Super CMF 240	Alkaline Aqueous
DuPont	DBE	Ester
Ecolink	Safe Strip	Organic
Finger Lakes Chemical	Resineater	Terpene
Gemtek Products	SC 1000	Alkaline Aqueous
ISP Technologies	Ship Shape Resin Cleaner	Organic
Magnaflux	Daraclean 232	Alkaline Aqueous
Oakite Products	Inproclean 3800	Alkaline Aqueous
Savogran Company	SI #4 Coating Remover	Organic
Solvent Kleene Inc	D Greeze 500 LO	Organic
Tarksol Inc	Tarksol HTF-50	Semi-Aqueous

Summary:

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.