CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008

DateRun: 12/10/2008

Experimenters: Jason Marshall, Heidi Wilcox

ClientType: Wire & Cable Mfr

ProjectNumber: Project #2

Substrates: Liquid

PartType: Part

Contaminants: Resins/Rosins

Cleaning Methods: Immersion/Soak

Analytical Methods: Tactile, Visual

Purpose: To identify additional cleaning products for PVC removal.

Experimental Procedure: Nine additional products were selected from the lab's on-line database, www.cleanersolutions.org, based on client supplied information and past testing results. All products were used at full strength. The supplied PVC tubing was cut into one inch pieces and immersed into each solution at room temperature. Observations were made at 10, 30, 60, 120, 240 and 480 minutes. Successful products were determined by touching/squeezing the tubing after each interval. If there was any surface change, the product was considered to be successful.

Results: Observations for each product at each interval are listed below using the following key:

NS - no sign of change
NC - no change from previous observation
SS - some softening
LS - little softening
MS - more softening
TC - texture change

Time Interval Observations

	10	30	60	120	240	480
Canola Gold	NS	NS	NA	NS	SS	NC
Soy Gold	NS	NS	SS	SS	SS	NC
Shopmaster RC	NS	SS	TC	MS	MS	MS
Bean-e-doo	NS	NS	NS	SS	SS	NC
Solsafe 245	NS	NS	NS	TC	LS	LS
Harvest Gold	NS	NS	NS	NS	NS	NS
SC Soyester	NS	NS	NS	SS	SS	NC
Graffiti Remover	NS	NS	SS	LS	NC	NC
Soyclear 1500	NS	NS	NS	NS	NS	NS

Summary:

Substrates:	Liquid
Contaminants:	Resins/Rosins

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
AG Environmental Products	Canola Gold CE110	100	0.00	☐	
AG Environmental Products	Soy Gold 1000	100	0.00	☑	
Buckeye International	Shopmaster RC	100	0.00	☑	
Franmar Chemical	Bean-e-doo (Parts Washer Solvent)	100	0.00	☐	
Bio Chem Systems	Solsafe 245	100	0.00	☐	
United Laboratories International	United 2002 Harvest Gold	100	0.00	☐	
Gemtek Products	SC Soyester	100	0.00	☑	
Spartan Chemical Company	Graffiti Remover SAC	100	0.00	☑	
AG Environmental Products	Soy Clear 1500	100	0.00	☐	

Conclusion: The Shopmaster RC had results that were similar to the DBE 6 previously tested. The four products that showed the most signs of softening the PVC tubing will be retested at an elevated temperature.

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