CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2007

DateRun: 09/27/2007

Experimenters: Jason Marshall, Heidi Wilcox, Shweta Bansal

ClientType: Wire & Cable Mfr

ProjectNumber: Project #1

Substrates: Liquid

PartType: Coupon

Contaminants: Paints, Resins/Rosins

Cleaning Methods: Immersion/Soak

Analytical Methods: Visual

Purpose: To screen potential cleaning products for removing paint/resin from steel parts

Experimental Procedure: Twenty-one potential products were identified using the lab's on-line database, www.cleanersolutions.org, based on supplied information. A 5 milliliter full strength of each product was placed in a glass vial. A small piece of cured paint taken from a supplied part was placed in the vial and capped. The paint was allowed to sit in the solution to determine what effect the cleaning products would have. Observations were made at 10, 20, 30, 45 and 60 minute intervals. Any signs of interaction between paint and cleaner were recorded.

Results:

Product	Initial Solution Appearance	10 min	20 min	30 min	45 min	60 min
Bio T Max	Clear slight yellow	No change	NC	NC	NC	NC
Solsafe 245	Clear	No change	NC	NC	NC	NC
Citrus Burst 7	Amber	No change	NC	NC	NC	NC
Safe Strip	Clear	No change	NC	NC	NC	NC
DBE 6	Clear	No change	NC	NC	NC	NC
SC Aircraft & Metal Cleaner	Clear slight yellow	No change	NC	NC	NC	NC
Micro 90 (10%)	Clear	Fizzing	Cloudy, more fizzing	Cloudy, some fizzing	Cloudy, some fizzing	Cloudy, some fizzing
Micro 90 (20%)	Clear	Fizzing	Cloudy, some fizzing	Cloudy, some fizzing	Cloudy, some fizzing	Cloudy, little fizzing
Ionox HC2	Clear slight yellow	No change	NC	NC	NC	NC
Inproclean 3800	Clear	Turned brown, lots of fizzing	Darker and still fizzing	Very dark	Even darker - opaque	Same
VPW SC 1000	Clear	No change	NC	NC	NC	NC
Soysolv II	Clear slight yellow	No change	NC	NC	NC	NC
Envirosolve	Clear	No change	NC	NC	NC	NC
Inproclean 4000T	Amber	No change	NC	NC	NC	NC
D Greeze 500 LO	Yellow	No change	NC	NC	NC	NC
Super Stripper	Purple	Fizzing from beginning, darker	Slow fizzing slightly darker	Slow fizzing	Slow fizzing	No fizzing, paint softer
Enviro Star Green	Clear	No change	NC	NC	NC	NC
Cycle Strip					Same	

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	Clear slight yellow	Started to dissolve paint, very aggressive fizzing	Foaming and fizzing, turning brown	Still dissolving paint		No fizzing
EnviroCare Floor Stripper	Clear	Some dissolving	Darker and some fizzing	Some fizzing	Little fizzing	No fizzing
Tar Remover	Yellow	No change	NC	NC	NC	NC
Green Solutions	Clear	Started to dissolve paint	Moderate fizzing	Some fizzing	Little fizzing	No fizzing, paint softer

Summary:

Substrates:	Liquid
Contaminants:	Paints, Resins/Rosins

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Bio Chem Systems	Bio T Max	100	0.00	☐	
Bio Chem Systems	Solsafe 245	100	0.00	☐	
Florida Chemical Company	Citrus Burst 7	100	0.00	☐	
EcoLink	Safe Strip	100	0.00	☐	
Invista S.a.r.l	Flexisolv DBE 6 ester	100	0.00	☐	
Gemtek Products	SC Aircraft & Metal Cleaner Super Concentrate	100	0.00	☐	
International Products Corporation	Micro 90 Conc.	10	0.00	☑	
International Products Corporation	Micro 90 Conc.	20	0.00	☑	
Kyzen Corporation	Ionox HC 2	100	0.00	☐	
Oakite Products	Inproclean 3800	100	0.00	☑	
Orison Marketing	VPW SC 1000	100	0.00	☐	
Soysolv Industrial Products	Soysolv II solvent	100	0.00	☐	
21st Century Composites	Envirosolve	100	0.00	☐	
Oakite Products	Inproclean 4000 T	100	0.00	☐	
Transene Company, Inc.	D Greeze 500 LO	100	0.00	☐	
Bi-O-Kleen Industries	Super Stripper - Floor Wax Remover	100	0.00	☑	
Pioneer Eclipse	Enviro Star Green Glass & Surface Cleaner	100	0.00	☐	
The Clean Environment Co	C-8 Cycle Strip	100	0.00	☑	
Rochester Midland Corporation	EnviroCare Floor Stripper	100	0.00	☑	
United Laboratories International	Tar Remover	100	0.00	☐	
Spartan Chemical Company	Green Solutions Floor Stripper	100	0.00	☑	

Conclusion: The seven products found to have some effect on the paint will be evaluated further.