

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999
DateRun: 11/15/1999
Experimenters: Jason Marshall
ClientType: Silk Screen Printer
ProjectNumber: Project #1
Substrates: Plastic
PartType: Coupon
Contaminants: Inks
Cleaning Methods: Manual Wipe
Analytical Methods:

Purpose: Information request

Experimental Procedure: SUBSTRATE MATERIAL: Polyester Silkscreen
QUESTION ASKED: Would like a listing of cleaners that can be used for removing ink from polyester silkscreen. Need to have cleaner that has low or no VOCs.

Results: RESPONSE/ANSWER: An additional database search was conducted based on trials that were successful in removing contaminants with CAS#s that are found in supplied MSDSs of client's contaminants. Table 1 lists the successful cleaning trials conducted using ultrasonic cleaning.

Table 1. Related CAS# Cleaning Trials

Scl #	Substrate	Contaminant	Process	Manufacturer	Product	Classification
96-420-01-2	Electronics	Flux	Immersion	Church & Dwight	Armakleen E 2002	Aqueous
96-429-01-2	Steel	Grease	Immersion	Ardrox	6333	Alkaline
96-429-01-2	Steel	Grease	Immersion	Us Polychem	Polyspray Jet 790 Xs	Alkaline
96-429-02-2*	Steel	Grease	Immersion	Ardrox	6333	Alkaline
96-429-02-2*	Steel	Tar	Immersion	Ardrox	6333	Alkaline
96-429-02-2*	Steel	Oil	Immersion	Ardrox	6333	Alkaline
96-429-02-2*	Steel	Oil	Immersion	Us Polychem	Polyspray Jet 790 Xs	Alkaline
96-429-02-2*	Steel	Tar	Immersion	Us Polychem	Polyspray Jet 790 Xs	Alkaline
96-429-02-2*	Steel	Grease	Immersion	Us Polychem	Polyspray Jet 790 Xs	Alkaline
97-538-04-2	Ss	Coating	Immersion	Calgon Corporation	Ak 6215	Alkaline
97-538-04-2	Ss	Coating	Immersion	Carroll Company	Blue Gold	Alkaline
97-538-04-2	Ss	Coating	Immersion	Lps Laboratories Inc	Lps Precision Clean	Alkaline
97-538-04-2	Ss	Coating	Immersion	Quaker Chemical Corp	Formula 625 XI	Alkaline
97-538-04-2	Ss	Coating	Immersion	Us Polychem	2000 Xs	Alkaline
97-538-04-2	Ss	Coating	Immersion	Valtech Corporation	Valtron Sp 2200	Alkaline
98-522-02-1	None	Carbon	Immersion	Buckeye	Shopmaster	Alkaline
98-522-02-1	None	Carbon	Immersion	Safe Cleanup	Super-neutral	Aqueous
98-676-01-2	Al	Paint	Immersion	Solvent Kleene	D-greeze 500	Hydrocarbon
98-676-01-2	Al	Sludge	Immersion	Solvent Kleene	D-greeze 500	Hydrocarbon
98-676-01-2	Al	Solvent	Immersion	Solvent Kleene	D-greeze 500	Hydrocarbon

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98-676-01-2	Al	Paint	Immersion	Solvent Kleene	D-greeze 500	Hydrocarbon
98-676-01-2	Al	Sludge	Immersion	Solvent Kleene	D-greeze 500	Hydrocarbon
98-676-01-2	Al	Solvent	Immersion	Solvent Kleene	D-greeze 500	Hydrocarbon
98-676-02-4	Al	Sludge	Immersion	Chrisal Usa	Super Cmf 240	Alkaline
98-676-02-4	Al	Paint	Immersion	Chrisal Usa	Super Cmf 240	Alkaline
98-676-02-4	Al	Solvent	Immersion	Chrisal Usa	Super Cmf 240	Alkaline
98-676-02-4	Al	Solvent	Immersion	Ag Environmental	Soy Gold 1000	Soy Methyl Ester
98-676-02-4	Al	Paint	Immersion	Ag Environmental	Soy Gold 1000	Soy Methyl Ester
98-676-02-4	Al	Sludge	Immersion	Ag Environmental	Soy Gold 1000	Soy Methyl Ester
99-6109-03-4	Al	Lubricant	Immersion	Oakite Products	Inproclean 3800	Alkaline
99-6109-03-4	Al	Lubricant	Immersion	Us Polychem	Polyspray Jet 790 P	Alkaline
99-6109-03-4	Al	Lubricant	Immersion	Us Polychem	Polyspray Jet 790 P	Alkaline
99-6109-03-4	Al	Lubricant	Immersion	Calgon Corporation	Sms 206 K	Alkaline
99-6109-03-4	Al	Lubricant	Immersion	Mix	Chem Crest / Almet B	
99-7109-04-4	Al	Lubricant	Immersion	Bcs Company	Ultra Blue 100	

Summary:

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

Conclusion:

For further information or MSDSs on any of the listed products contact the lab at (978)934-3133.