

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999  
DateRun: 11/10/1999  
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: The Massachusetts Toxics Use Reduction Institute (TURI) has made the results of the tests conducted at the Institute's Surface Cleaning Laboratory (SCL) into a searchable database/spreadsheet format. This should make alternative cleaner selection faster and easier. Here are the results of your query, based on the information supplied: Table 1 lists the successful cleaning trials conducted using ultrasonic cleaning.

Table 1. Database Search Results

SCL #	Substrate	Contaminant	Process	Manufacturer	Product
97-538-02-2	SS	INK	MANUAL	T-SQUARE	HTF 50
97-538-02-2	SS	INK	MANUAL	T-SQUARE	HTF 60
98-559-01-1	AL-OXIDE	INK	IMMERSION	WR GRACE	DARACLEAN 282
98-559-01-1	AL-OXIDE	INK	IMMERSION	US POLYCHEM	DE-OX 007
98-559-01-1	AL-OXIDE	INK	IMMERSION	OAKITE	INPROCLEAN 3800
98-559-03-2	AL-OXIDE	INK	ULTRASONICS	WR GRACE	DARACLEAN 282
98-559-03-2	AL-OXIDE	INK	ULTRASONICS	OAKITE	INPROCLEAN 3800
96-423-02-2	PLASTIC	INK	IMMERSION	MACDERMID	ND 17
96-423-02-2	PLASTIC	INK	IMMERSION	MIRACHEM	MIRACHEM 500
98-559-04-2	PLASTIC	INK	IMMERSION	OAKITE	INPROCLEAN 3800
98-559-04-2	PLASTIC	INK	IMMERSION	BRULIN	COMPLIANCE
98-559-04-2	PLASTIC	INK	IMMERSION	CHRISAL USA	SUPER CMF 240
98-571-02-2	AL	INK	MANUAL	AG ENVIRONMENTAL	SOY GOLD 1000
98-571-02-2	AL	INK	MANUAL	OAKITE	INPROCLEAN 4000 T
98-571-02-2	AL	INK	MANUAL	BUCKEYE	SHOPMASTER
98-571-03-2	AL	INK	MANUAL	T-SQUARE	HTF 50
98-571-03-2	AL	INK	MANUAL	OAKITE	INPROCLEAN 4000 T
98-682-01-2	SS	INK	MANUAL	EXXON	AROMATIC 100 SOLVENT
98-682-01-2	SS	INK	MANUAL	AG ENVIRONMENTAL	SOY GOLD 1000
98-682-01-2	SS	INK	MANUAL	ENVIROSOLUTIONS	BIO-T MAX
98-682-01-2	SS	INK	MANUAL	FINGER LAKES	1/1/02

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98-682-01-2SS	INK	MANUAL	INLAND TECHNOLOGIES	EP 921
98-682-01-2SS	INK	MANUAL	T-SQUARE	HTF 60
98-682-03-4SS	INK	MANUAL	ENVIROSOLUTIONS	BIO T MAX

Summary:

<b>Substrates:</b>	Plastic				
<b>Contaminants:</b>	Inks				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
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.