CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	1999
DateRun:	06/08/1999
Experimenters:	Jason Marshall
ClientType:	Consultant
ProjectNumber:	Project #1
Substrates:	Other
PartType:	Coupon
Contaminants:	
Cleaning Methods:	Vapor Degreasing
Analytical Methods:	
Purpose:	Information request for vapor degreasing alternatives.
Experimental Procedure:	SUBSTRATE MATERIAL: Any QUESTION ASKED: Working with a client to eliminate methylene chloride in a vapor cleaning operation. One offering is Propyl Bromide and another is Hydrofluoro Ethers. Have you any experience with these? Any other suggestions?
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.

Products used to replace methylene chloride in cleaning operations:

SCL #	Cleaner Mfr	Cleaning Chem
95-413-02-2C	Oakite Products	Inproclean 3800
95-413-02-2C	Cleaning Systems	Release
95-413-02-2C	Calgon Corp	Geo-Guard 2215
95-413-02-2C	WR Grace	Daraclean 283
95-413-02-2C	Brulin	815 GD
95-467-01-8	Oakite Products	Inproclean 2500
95-467-01-8	WR Grace	Daraclean 282 GF
95-467-01-8	Brulin	63-G
95-467-01-8	Brulin	815 GD
96-418-02-2	Ecolink	2005
96-418-02-2	ISP Tech	N-Methyl 2-Pyrrolidone
96-422-01-2	Delta Omega Technologies	DOT 111-113
96-422-01-2	Mix	Rochester Midland Split
96-422-01-2	Delta Omega Technologies	DOT 111-113
96-422-01-2	Mix	Rochester Midland Split
96-426-01-2*	Armex	Sodium Bicarbonate
98-522-02-1	Buckeye	Shopmaster
98-522-02-1	Safe CleanUp	Super Neutral
98-522-02-1	Buckeye	Shopmaster
98-522-02-1	Safe CleanUp	Super Neutral
98-522-03-1	Fingerlakes Chemical	Resineater
98-522-03-1		Resineater

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	Fingerlakes Chemical	
98-622-04-2	T-Square	HTF 50
98-622-04-2	Gemtek Products	SC 1000
98-622-04-2	WR Grace	Daraclean 232
98-622-04-2	Chrisal USA	Super CMF 240
98-622-04-2	T-Square	HTF 50
98-622-04-2	Gemtek Products	SC 1000
98-622-04-2	WR Grace	Daraclean 232
98-622-04-2	Chrisal USA	Super CMF 240
98-622-05-2	WR Grace	Daraclean 232
98-622-05-2	Gemtek Products	SC 1000
98-622-05-2	WR Grace	Daraclean 232
98-622-05-2	Gemtek Products	SC 1000
99-6102-01-2	Oakite Products	Inproclean 3800
99-6102-01-2	US Polychem	Polyspray Jet 790 P
99-622-07-1	Savogran	SI NO 4
99-622-07-1	Savogran	SI NO 8
99-622-07-1	Savogran	SI NO 4
99-622-07-1	Savogran	SI NO 8
99-622-08-1	Savogran	HD 34
99-622-08-1	Savogran	HD 34
99-622-09-2	Savogran	HD 34
99-622-09-2	Gemtek Products	SC Supersolve
99-622-09-2	Savogran	HD 34
99-622-09-2	Gemtek Products	SC Supersolve
99-622-10-4	Gemtek Products	SC Supersolve
99-622-10-4	Gemtek Products	SC Supersolve
99-6102-02-4	Calgon Corp	Geo-Guard 2215
99-6102-02-4	Gemtek Products	SC Aircraft Metal Cleaner
99-6102-02-4	SWR Corp	SWR One
99-6102-02-4	WR Grace	Daraclean 282 GF
99-6102-02-4	US Polychem	Polyspray Jet 790 P
99-6102-03-4	US Polychem	Polyspray Jet 790 P
99-6102-03-4	Gemtek Products	SC Aircraft Metal Cleaner
99-6102-03-4	Calgon Corp	Geo-Guard 2215
99-622-11-2	AG Environmental	Soy Gold 2000
99-622-11-2	Envirosolutions	Solsafe 245
99-622-11-2	Savogran	SI NO 4
99-622-11-2	AG Environmental	Soy Gold 2000
99-622-11-2	Envirosolutions	Solsafe 245
99-622-11-2	Savogran	SI NO 4

Summary:

Conclusion: Cleaning projects vary from case-to-case. To obtain more detailed information about any of the listed trials, have the SCL # ready when contacting the lab at (978)934-3133.