CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999

DateRun: 02/03/1999

Experimenters: Jason Marshall

ClientType: Brazing-Heat Treating

ProjectNumber: Project #1

Substrates: Carbon Steel, Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids, Greases, Lubricating/Lapping Oils, Oil

Cleaning Methods:

Analytical Methods:

Purpose: Looking for possible replacement chemistries for Trichloroethylene.

Experimental Procedure: QUESTION ASKED: Looking for possible replacement chemistries for Trichloroethylene in the cleaning of oils and greases off of jet engines, flow meters and critical metal applications. It's a small application with financial restrictions. Want to use current equipment.

Results: RESPONSE/ANSWER: The Massachusetts Toxics Use Reduction Institute (TURI) has made the results of the tests conducted at the Institutes 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:

SCL #	Cleaner Mfr.	PRODUCT NAME	Concentration (%)	Temp (F)	Time (min)
96-425-01-2	SAFETY KLEENE	GREEN SOLVENT	10	122	5
96-425-01-2	SAFETY KLEENE	GREEN SOLVENT	10	122	10
96-425-01-2	TWIN RIVER	ESTER	100	118	5
96-425-01-2	BUCKEYE	SHOPMASTER	10	124	5
96-425-01-2	SAFETY KLEENE	GREEN SOLVENT	10	122	5
96-425-01-2	SAFETY KLEENE	GREEN SOLVENT	10	122	10
96-425-01-2	T-SQUARE	HTF 10 B	15	128	5
96-449-02-2	ARDROX	6333	4	130	5
96-449-02-2	BRULIN	815 GD	4	130	5
96-449-02-2	CALGON	AK 6215	4	130	5
97-538-07-3	ECOLINK	VORTEX	100	RT	10
97-538-07-3	OAKITE	INPROCLEAN 4000 T	100	RT	10
97-538-07-3	SOLVENT KLEENE	D-GREEZE 500	100	RT	10
97-538-07-3	ECOLINK	VORTEX	100	RT	10
97-538-07-3	OAKITE	INPROCLEAN 4000 T	100	RT	10
97-538-07-3	SOLVENT KLEENE	D-GREEZE 500	100	RT	10

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.
SCL provides free testing to Massachusetts companies.