CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999

DateRun: 03/09/1999

Experimenters: Jason Marshall

ClientType: General

ProjectNumber: Project #1

Substrates: Aluminum, Brass, Carbon Steel, Copper, Galvinized Steel, Stainless Steel, Steel, Tin

PartType: Coupon

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

Cleaning Methods:

Analytical Methods:

Purpose: Information request for cleaning tools

Experimental Procedure: QUESTION ASKED: Looking for a cleaner, would prefer a non-toxic substance, to remove oil-based coolant from aircraft tools. Parts are currently being soaked in mineral spirits.

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:

SCL #	Substrate	Contaminant	Process	Cleaner Mfr	PRODUCT NAME
95-403-01-8	TIN	OIL	IMMERSION	WR GRACE	DARACLEAN 232
95-405-04-2*	BRASS	OIL	IMMERSION	OAKITE	INPROCLEAN 3800
95-407-07-2	AL	OIL	IMMERSION	AW CHESTERTON	KPC 820 N
95-407-07-2	BRASS	OIL	IMMERSION	AW CHESTERTON	KPC 820 N
95-407-07-2	COPPER	OIL	IMMERSION	AW CHESTERTON	KPC 820 N
95-412-01-2	STEEL	OIL	IMMERSION	AW CHESTERTON	KPC 820 N
95-412-01-2	STEEL	OIL	IMMERSION	CALGON	GEO-GUARD 3015
95-412-01-2	STEEL	OIL	IMMERSION	CLEANING SYSTEMS	RELEASE
95-412-01-2	STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 3800
96-425-01-2	SS	OIL	IMMERSION	BUCKEYE	SHOPMASTER
96-425-01-2	SS	OIL	IMMERSION	SAFETY KLEENE	GREEN SOLVENT
96-425-01-2	SS	OIL	IMMERSION	SAFETY KLEENE	GREEN SOLVENT
96-425-01-2	SS	OIL	IMMERSION	T-SQUARE	HTF 10 B
96-428-01-2*C	AL	OIL	IMMERSION	BRULIN	815 GD
96-428-01-2*C	AL	OIL	IMMERSION	WR GRACE	DARACLEAN 282
96-429-02-2*	STEEL	OIL	IMMERSION	ARDROX	6333
96-429-02-2*	STEEL	OIL	IMMERSION	US POLYCHEM	POLYSPRAY JET 790 XS
96-431-01-8	COPPER	OIL	IMMERSION	OAKITE	INPROCLEAN 4000 T
96-449-02-2	SS	OIL	IMMERSION	ARDROX	6333
96-449-02-2	SS	OIL	IMMERSION	BRULIN	815 GD
96-449-02-2	SS	OIL	IMMERSION	CALGON	AK 6215
97-538-07-3	SS	OIL	IMMERSION	ECOLINK	VORTEX
97-538-07-3	SS	OIL	IMMERSION	OAKITE	INPROCLEAN 4000 T
97-538-07-3	SS	OIL	IMMERSION	SOLVENT KLEENE	D-GREEZE 500
97-544-01-2	CR STEEL	OIL	IMMERSION	CALGON	AK 6215

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97-544-01-2	CR STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 1300
97-544-01-2	CR STEEL	OIL	IMMERSION	WR GRACE	DARACLEAN 282
97-547-01-2	SS	OIL	IMMERSION	FINE ORGANICS	FO2085 M
97-547-01-2	SS	OIL	IMMERSION	WR GRACE	DARACLEAN 282 GF
96-424-02-2	STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 1300
95-467-01-8	AL	OIL	IMMERSION	OAKITE	INPROCLEAN 2500
95-467-01-8	STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 2500
95-407-05-2	AL	OIL	IMMERSION	OAKITE	INPROCLEAN 3800
95-407-05-2	STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 3800
95-407-05-2	BRASS	OIL	IMMERSION	OAKITE	INPROCLEAN 3800
98-561-02-4	AL	OIL	IMMERSION	ZEP CO	DYNA 143
98-561-02-4	AL	OIL	IMMERSION	ENVIROSOLUTIONS	SOLSAFE 245
98-561-02-4	AL	OIL	IMMERSION	SAFE CLEANUP	SUPER-NEUTRAL
95-407-05-2	COPPER	OIL	IMMERSION	OAKITE	INPROCLEAN 3800
97-542-01-2	CR STEEL	OIL	IMMERSION	CALGON	AK 6215
98-561-04-4	AL	OIL	IMMERSION	SAFETY KLEENE	PREMIUM GOLD
98-561-04-4	AL	OIL	IMMERSION	AG ENVIRONMENTAL	SOY GOLD 1000
98-561-04-4	AL	OIL	IMMERSION	WR GRACE	DARACLEAN 282
98-561-04-4	AL	OIL	IMMERSION	SAFE CLEANUP	SUPER-NEUTRAL
98-561-04-4	AL	OIL	IMMERSION	ZEP CO	DYNA 143
98-674-03-2	AL	OIL	IMMERSION	ECOLINK	VORTEX
98-679-01-2	NICKEL	OIL	IMMERSION	CALGON	AK 6215
98-679-01-2	NICKEL	OIL	IMMERSION	WR GRACE	DARACLEAN 282
98-679-01-2	COPPER	OIL	IMMERSION	CALGON	AK 6215
98-679-01-2	COPPER	OIL	IMMERSION	WR GRACE	DARACLEAN 282
98-674-04-2	AL	OIL	IMMERSION	WATER	WATER
98-683-01-4	STEEL	OIL	IMMERSION	WATSON	FORMULA 7000
98-683-01-4	STEEL	OIL	IMMERSION	WATSON	FORMULA 7000
99-683-02-2	AL	OIL	IMMERSION	WATSON	FORMULA 7001-CP
99-683-02-2	AL	OIL	IMMERSION	WATSON	FORMULA 7300
99-683-02-2	CR STEEL	OIL	IMMERSION	WATSON	FORMULA 7001-CP
99-683-02-2	CR STEEL	OIL	IMMERSION	WATSON	FORMULA 7300
99-688-03-2	TEFLON	OIL	IMMERSION	AG ENVIRONMENTAL	SOY GOLD 2000
99-688-03-2	TEFLON	OIL	IMMERSION	ECOLINK	VORTEX
99-688-03-2	TEFLON	OIL	IMMERSION	T-SQUARE	HTF 50
99-688-03-2	TEFLON	OIL	IMMERSION	FLORIDA CHEMICAL	D-LIMONENE
96-449-01-1	COPPER	OIL	IMMERSION	CALGON	AK 6215
96-449-01-1	COPPER	OIL	IMMERSION	ARDROX	6333
96-449-01-1	BRASS	OIL	IMMERSION	CALGON	AK 6215

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96-449-01-1	BRASS	OIL	IMMERSION	ARDROX	6333
97-544-02-2	CR STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 1300
97-544-04-4	CR STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 1300
97-544-05-4	CR STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 1300
97-544-07-4	CR STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 1300
97-544-08-4	CR STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 1300
99-688-04-2	TEFLON	OIL	IMMERSION	ECOLINK	VORTEX
98-561-03-4	AL	OIL	IMMERSION	WR GRACE	DARACLEAN 282
98-561-03-4	AL	OIL	IMMERSION	SAFE CLEANUP	SUPER-NEUTRAL
96-428-02-2C	AL	OIL	IMMERSION	WR GRACE	DARACLEAN 282
96-428-02-2C	AL	OIL	IMMERSION	BRULIN	815 GD
99-695-01-2	MONEL	OIL	IMMERSION	EMKAY	SAFETY WASH CLEAR
99-695-01-2	MONEL	OIL	IMMERSION	US POLYCHEM	POLYSPRAY 790 P
99-695-01-2	MONEL	OIL	IMMERSION	CALGON	GEO-GUARD 2000
99-695-01-2	MONEL	OIL	IMMERSION	ARDROX	6333
99-692-02-2	CARBON STEEL	OIL	IMMERSION	TWIN RIVERS	METHYL ESTER 1618
99-692-02-2	CARBON STEEL	OIL	IMMERSION	SOLVENT KLEENE	D-GREEZE 500
99-692-02-2	CARBON STEEL	OIL	IMMERSION	OAKITE	INPROCLEAN 4000 T
99-692-02-2	SS	OIL	IMMERSION	TWIN RIVERS	METHYL ESTER 1618
99-692-02-2	SS	OIL	IMMERSION	SOLVENT KLEENE	D-GREEZE 500
99-692-02-2	SS	OIL	IMMERSION	OAKITE	INPROCLEAN 4000 T
99-692-02-2	SS	OIL	IMMERSION	ECOLINK	VORTEX

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.