

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000

DateRun: 02/09/2000

Experimenters: Jason Marshall

ClientType: Metal

ProjectNumber: Project #1

Substrates: Aluminum, Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids, Inks

Cleaning Methods:

Analytical Methods:

Purpose: Information request

Experimental Procedure: SUBSTRATE MATERIAL: Aluminum and Stainless steel
REQUEST: Would like a list of products that could be used to degrease light machining oils from aluminum and stainless steel parts in a sink-on-drum system.

Results: RESPONSE: The following table contains products that have been found to be effective under the general conditions listed.

SCL #	Substrate	Cont	Process	Manufacturer	Product	Classification
95-407-07-2	AL	OIL	IMMERSION	AW CHESTERTON	KPC 820 N	Alkaline aqueous
95-410-03-2	SS	OIL	SPRAY	AW CHESTERTON	KPC 820 N	Alkaline aqueous
96-425-01-2	SS	OIL	IMMERSION	BUCKEYE	SHOPMASTER	Alkaline Aqueous
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	Semi-Aqueous Terpene
96-449-02-2	SS	OIL	IMMERSION	ARDROX	6333	Alkaline aqueous
96-449-02-2	SS	OIL	IMMERSION	Calgon Corporation	AK 6215	Alkaline Aqueous
97-538-07-3	SS	OIL	IMMERSION	ECOLINK	VORTEX	Semi-Aqueous Terpene
97-538-07-3	SS	OIL	IMMERSION	Oakite Products	INPROCLEAN 4000 T	Semi-Aqueous Terpene
97-538-07-3	SS	OIL	IMMERSION	SOLVENT KLEENE	D-GREEZE 500	Hydrocarbon Solvent
97-538-07-3	SS	OIL	IMMERSION	SOLVENT KLEENE	D-GREEZE 500	Hydrocarbon Solvent
97-547-01-2	SS	OIL	IMMERSION	FINE ORGANICS	FO2085 M	Ester
95-467-01-8	AL	OIL	IMMERSION	Oakite Products	INPROCLEAN 2500	Alkaline Powder
95-407-05-2	AL	OIL	IMMERSION	Oakite Products	INPROCLEAN 3800	Alkaline Aqueous
98-561-02-4	AL	OIL	IMMERSION	ZEP CO	DYNA 143	Petroleum Distillates
98-561-02-4	AL	OIL	IMMERSION	ENVIROSOLUTIONS	SOLSAFE 245	Alcohol-aliphatic hydrocarbons
98-561-02-4	AL	OIL	IMMERSION	SAFE CLEANUP	SUPER-NEUTRAL	Neutral Aqueous

CLEANING LABORATORY EVALUATION SUMMARY

98-561-04-4	AL	OIL	IMMERSION	SAFETY KLEENE	PREMIUM GOLD	Petroleum Distillates
98-561-04-4	AL	OIL	IMMERSION	AG ENVIRONMENTAL	SOY GOLD 1000	Soy Methyl Ester
98-561-04-4	AL	OIL	IMMERSION	SAFE CLEANUP	SUPER-NEUTRAL	Aqueous
98-561-04-4	AL	OIL	IMMERSION	ZEP CO	DYNA 143	Petroleum Distillates
98-674-03-2	AL	OIL	IMMERSION	ECOLINK	VORTEX	Semi-Aqueous Terpene
98-674-04-2	AL	OIL	IMMERSION	WATER	WATER	Aqueous
99-683-02-2	AL	OIL	IMMERSION	WATSON	FORMULA 7300	Alkaline Aqueous
99-683-02-2	AL	OIL	IMMERSION	WATSON	FORMULA 7001-CP	Alkaline Aqueous
98-561-03-4	AL	OIL	IMMERSION	SAFE CLEANUP	SUPER-NEUTRAL	Neutral Aqueous
99-695-03-3	SS	OIL	SPRAY	US POLYCHEM	POLYSPRAY 790 P	Alkaline Aqueous
99-692-02-2	SS	OIL	IMMERSION	TWIN RIVERS	METHYL ESTER 1618	Ester
99-692-02-2	SS	OIL	IMMERSION	SOLVENT KLEENE	D-GREEZE 500	Hydrocarbon Solvent
99-692-02-2	SS	OIL	IMMERSION	SOLVENT KLEENE	D-GREEZE 500	Hydrocarbon Solvent
99-692-02-2	SS	OIL	IMMERSION	Oakite Products	INPROCLEAN 4000 T	Semi-Aqueous Terpene
99-692-02-2	SS	OIL	IMMERSION	ECOLINK	VORTEX	Semi-Aqueous Terpene
99-6100-02-2	SS	OIL	IMMERSION	BRANSON	GP	Alkaline Aqueous
99-6100-02-2	SS	OIL	IMMERSION	MATCHLESS	MC 580	Alkaline Aqueous
99-6100-02-2	SS	OIL	IMMERSION	Oakite Products	INPROCLEAN 3800	Alkaline Aqueous
99-6100-02-2	SS	OIL	IMMERSION	GEMTEK	SC Aircraft & Metal	Alkaline Aqueous
99-6100-02-2	SS	OIL	IMMERSION	SAVOGRAN	Dirtex Prepaint Cleaner	Alkaline Aqueous
99-6100-02-2	SS	OIL	IMMERSION	WATER	WATER	Aqueous
99-6100-03-4	SS	OIL	IMMERSION	MATCHLESS	MC 580	Alkaline Aqueous
99-6100-03-4	SS	OIL	IMMERSION	MATCHLESS	MC 580	Alkaline Aqueous
99-792-03-2	SS	OIL	IMMERSION	AW CHESTERTON	KPC 820 N	Alkaline aqueous
99-792-03-2	SS	OIL	IMMERSION	Calgon Corporation	Geo-Guard 2215	Alkaline Aqueous
99-792-03-2	SS	OIL	IMMERSION	US POLYCHEM	Polyspray 790 P	Alkaline Aqueous
99-792-04-4	SS	OIL	IMMERSION	AW CHESTERTON	KPC 820 N	Alkaline aqueous
99-792-04-4	SS	OIL	IMMERSION	Calgon Corporation	GEO-GUARD 2215	Alkaline Aqueous
99-7111-02-4	SS	OIL	IMMERSION	SAFESCIENCE	Engine Degreaser	
99-7103-04-4	SS	OIL	IMMERSION	NEW PIG	Degreaser	
99-7103-05-4	SS	OIL	IMMERSION	NEW PIG	Hoofmark All Purpose	
99-7103-05-4	SS	OIL	IMMERSION	NEW PIG	Hoofmark Industrial Degreaser	

CLEANING LABORATORY EVALUATION SUMMARY

99-7102-04-4SS	OIL	IMMERSION	Oakite Products	INPROCLEAN 3800	Alkaline Aqueous
99-7103-06-4AL	OIL	IMMERSION	Ensolve Biosystems	GREASE FEAST	Neutral Aqueous
99-7103-06-4AL	OIL	IMMERSION	UNITED Laboratories	UNITED 450 ALL CLEAR	Aqueous
00-7103-07-4AL	OIL	IMMERSION	EnviroSan Products Ltd	SOLUTOIN 2000	
00-7103-07-4AL	OIL	IMMERSION	Mirachem Corporation	MIRACHEM 500 RTU	Alkaline Aqueous
00-7103-07-4AL	OIL	IMMERSION	Mirachem Corporation	MIRACHEM 500	Alkaline Aqueous

Summary:

Conclusion: Cleaning projects vary from case-to-case. To obtain more detailed information about any of the listed trials or products, contact the lab at (978)934-3133.