CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000

DateRun: 01/02/2000

Experimenters: Jason Marshall

ClientType: Metal

ProjectNumber: Project #1

Substrates: Brass, Nickel

PartType: Coupon

Contaminants: Fingerprints

Cleaning Methods:

Analytical Methods:

Purpose: Information request

Experimental Procedure: SUBSTRATE MATERIAL: Brass, Nickel plating
REQUEST: Looking for replacement to Freon based cleaner for the removal of fibers and finger oils from nickel plated surfaces. Would like to operate at room temperature using ultrasonic energy. A list of products will be enough.

Results: RESPONSE: Two databases were used to generate the tables below. The first table lists results based on previous laboratory evaluations under similar situations. The second is based on vendor supplied information. The products listed met the criteria specified by the client.

Using the Cleaner Used Database, the query yielded the following information:

SCL #	Substrate	Cont	Process	Manufacturer	Product	Classification
98-675-01-4	NICKEL	OIL	ULTRASONICS	MAGNAFLUX	ZYGLO ZR 1OB	Alkaline
98-675-02-2	NICKEL	OIL	ULTRASONICS	Valtech Corporation	VALTRON SP 2275	Neutral
98-675-02-2	NICKEL	OIL	ULTRASONICS	SWR CORP	SWR ONE	Alkaline
98-675-04-2	NICKEL	OIL	ULTRASONICS	Valtech Corporation	VALTRON SP 2275	Neutral
98-675-04-2	NICKEL	OIL	ULTRASONICS	SWR CORP	SWR ONE	Alkaline
98-675-04-2	NICKEL	OIL	ULTRASONICS	Carroll Company	BLUE GOLD	Alkaline
98-679-02-4	NICKEL	OIL	ULTRASONICS	Calgon Corporation	AK 6215	Alkaline
98-679-03-4	NICKEL	OIL	ULTRASONICS	Calgon Corporation	AK 6215	Alkaline
98-679-04-4	NICKEL	OIL	ULTRASONICS	Calgon Corporation	AK 6215	Alkaline
98-679-05-4	NICKEL	OIL	ULTRASONICS	Calgon Corporation	AK 6215	Alkaline
98-679-06-4	NICKEL	OIL	ULTRASONICS	Calgon Corporation	AK 6215	Alkaline
98-675-07-4	NICKEL	OIL	ULTRASONICS	MAGNAFLUX	ZYGLO ZR 1OB	Alkaline
98-675-06-4	NICKEL	OIL	ULTRASONICS	Valtech Corporation	VALTRON SP 2275	Neutral
98-675-06-4	NICKEL	OIL	ULTRASONICS	SWR CORP	SWR ONE	Alkaline
99-707-10-3	BRASS	OIL	ULTRASONICS	ENVIROSOLUTIONS	BIO-T MAX	Semi-Aqueous Terp.
99-7115-07-3	BRASS	OIL	ULTRASONICS	EMKAY Chemical Co	Safety Wash CRC	Alkaline
99-7115-07-3	BRASS	OIL	ULTRASONICS	Envirosolutions, Inc.	Bio T 300 B	Semi-Aqueous Terp
99-7115-07-3	BRASS	OIL	ULTRASONICS	Church & Dwight Co Inc	Armakleen E 2002	Alkaline
99-7115-07-3	BRASS	OIL	ULTRASONICS	Oakite Products	Inproclean 4000 T	

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						Semi-Aqueous Terp

Industrial Cleaning Survey: Directory of Vendors Database yielded the following products:

Company Name	Product	Classification
AW Chesterton	KPC 820 N	Alkaline aqueous
Brulin Corporation	815 GD	Alkaline Aqueous
Buckeye International	Shopmaster	Alkaline Aqueous
Mirachem Corporation	Mirachem 500	Alkaline Aqueous
Oakite Products	InproClean 3800	Alkaline Aqueous
Sky Products Co., Inc.	Cleaner #10	Alkaline Aqueous
Solvent Kleene, Inc.	D-Greeze 500 LO	Hydrocarbon Solvent
Sunshine Makers Inc	Simple Green	Alkaline Aqueous
Tarksol, Inc.	HTF 50	Semi-Aqueous Terpene
W.R. Grace & Co.	Daraclean 212	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 212	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 232	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 282	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 282 GF	Alkaline Aqueous
W.R. Grace & Co.	Daraclean 283	Alkaline Aqueous
International Products	MICRO 90	Alkaline Aqueous
Gemtek Products	SC Aircraft & Metal Cleaner	Alkaline Aqueous
Savogran	Dirtex Prepaint Cleaner	Alkaline Aqueous
Hazwell International	Biosolve	Neutral 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.