CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 12/10/2003

Experimenters: Jason Marshall

ClientType: Chemical Company

ProjectNumber: Project #1

Substrates:

PartType: Coupon

Contaminants: Buffing/Polishing Compounds

Cleaning Methods:

Analytical Methods:

Purpose: To generate a list of alternative products for buffing compound removal

Experimental Procedure: Using the laboratory's database for solvent cleaning substitution, the lab generated the following lists of products. The products have been evaluated at SSL under similar conditions to the client's criteria.

Results: The generated the following products that have been found to remove buffing compounds. The specific buffing compounds are also listed.

Contaminant Specifics Info

Buffing compound
Buffing compound - Anchor Chemical Co, Anchor Spin G-10
Buffing compound - Jackson Lea Antique Buffing compound LM-12 (9000-70-8,1344-28-1,409-21-2,1309-37-1)
Buffing Compound - Jackson Lea Learok 7-S-3 Buffing compound (102-71-6, 14808-60-7, 1317-95-9)
Buffing compound - Jackson Lea Plastibratd F-18 (1332-58-7, 1344-09-8, 1344-28-1, 9000-70-8))
Buffing compound - Jackson-Lea Manufacturing Co, 6B-71(1344-28-1)
Buffing compound - Jackson-Lea Polishing & Buffing Compound LPTL-22A (1344-28-1, 9000-70-8)
Buffing compound - M.P. Iding Co. Gritite
Buffing compound - Matchless Metal Polishing Co, 516 Tripoli Compound
Buffing compound - Matchless Metal Polishing Co, Z-230 Buffing Compound (7429-90-5)
Buffing compound - Polishing compounds
Buffing compound - The Lea Manufacturing Company Learok 2-B-111 - Abrasive, Fatty acids, Glycerides and petroleum wax/oil mix-silica dust (14808-60-7)
Buffing compound - Tripoli Buffing Compound
Buffing compound (119-47-1, 8052-10-6)
Buffing compound (13-28-1)
Buffing compound (64-56-1, 1314-13-2, 119-47-1)

CompanyName	ProductName	ClassificationDescription
Abatement Technology	Bio Might 100	Alkaline Aqueous
Alconox Inc	Alcojet	Powder Detergent-Alkaline
AW Chesterton	181 Low Alkaline Cleaner	Alkaline Aqueous
AW Chesterton	278 Super Solv	Petroleum Distillate
Bio Chem Systems	Bio T Foam Plus	Terpene
Bio Chem Systems	Bio T Max	Terpene-Semi-Aqueous
Brulin Corporation	Formula 815 GD	Alkaline Aqueous
Brulin Corporation	Natural Sol 100	Alkaline Aqueous
Buckeye International	Immersion Cleaner	Alkaline Aqueous
Buckeye International	Shopmaster HP	Alkaline Aqueous
Buckeye International	Shopmaster LPH	Alkaline Aqueous
		Alkaline Aqueous

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Calgon Corporation	Geo Guard 2215	
Calgon Corporation	GP Xtra	Alkaline Aqueous
Chrisal USA Inc	Super CMF 240	Alkaline Aqueous
Emkay Chemical Company	Safety Wash	Alkaline Aqueous
International Products Corporation	Micro 90	Alkaline Aqueous
LPS Laboratories	LPS Precision Clean	Alkaline Aqueous
MacDermid	ND 17	Alkaline Aqueous
Magnaflux	Daraclean 282	Alkaline Aqueous
Magnaflux	Daraclean 282 GF	Alkaline Aqueous
Magnuson Products	Permag S-4	Alkaline Aqueous
Matchless Metal Polish Company	MC 132	Alkaline Aqueous
Matchless Metal Polish Company	MC 580	Alkaline Aqueous
Oakite Products	Citradet	Semi-Aqueous
Oakite Products	Inproclean 3800	Alkaline Aqueous
Safe Science	Safe Science Engine Degreaser (Industrial)	Terpene
Savogran	Dirtex Prepaint Cleaner	Alkaline Aqueous
Simple Green	Simple Green D	Alkaline Aqueous
Texo Corporation	Texolite 1734 XL	Alkaline Aqueous
Tomah Products	Tomadyne Mix	Neutral Aqueous
US Polychem Corporation	Polyspray Jet 790 P	Alkaline Aqueous
Valtech Corporation	Valtron SP 2250 2LF	Alkaline Aqueous

Summary:

Conclusion: Cleaning varies from case to case. The SSL recommends process specific testing on potential replacement cleaning chemicals. If more information is needed on a particular product, or you are interested in conducting cleaning trials, please contact the lab at (978)934-3133.