CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2003
DateRun:	09/01/2003
Experimenters:	Jason Marshall
ClientType:	Manufacturing
ProjectNumber:	Project #1
Substrates:	Alloys, Stainless Steel, Steel
PartType:	Coupon
Contaminants:	Adhesive, Metal fines
Cleaning Methods:	
Analytical Methods:	
Purpose:	To generate a list of alternative cleaning products that can be used for adhesive cleaning
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 lab generated a list of products that have been used to remove various adhesives from either stainless steel or steel. The first table is a list of the adhesive specifics and the second table is the products used to remove the adhesives.

Cleaning adhesives from stainless steel and steel		
CompanyName	ProductName	Total Of TrialNumber
Bio Chem Systems	Bio T Max	4
CSA Inc	Bio Safe 1023	1
Dynamold Solvents Inc	DS 104	6
Ecolink	Positron	1
Ecolink	Safe Strip	1
Ecolink	VG 151	1
Inland Technologies Inc	Citrasafe	1
International Products Corporation	Surface Cleanse 930	1
MacDermid	ND Supreme	1
National Diagnostic	Opti Clear	1
Safe Science	Safe Science All Purpose	2
Safe Science	Safe Science Concrete/ Graffiti	2
Safe Science	Safe Science Engine Degreaser	1
Today & Beyond	Beyond 2009	2
US Polychem Corporation	Hydropurge HPL 790	1

ContaminantSpecificsInfo

	Total Of Effective?
Adhesive	4
Adhesive - AC-059 adhesive (108-88-3)	5
	1

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Adhesive - Ashland Chemical Acrylic Sealant 5504 (108-88-3, 141-78-6, 142-82-5, 67-63-0)	
Adhesive - Ashland Chemical Aroset PS 8078, (Lot# 071901). (141-78-6 Ethyl Acetate, 142-82-5 Heptane, 67-63-0 Isoproanol)	1
Adhesive - Duro-Tac toluene-heptane based adhesives	1
Adhesive - Insta-Cure adhesive (7085-85-0), Insta-Set (64742-89-8, 99-97-8)	1
Adhesive - Morton 717 (108-88-3, 108-05-4, 110-54-3, 142-82-5, 67-63-0)	5
Adhesive - Resin compounds	1
Adhesive (108-88-3, 9010-98-4, 65997-13-9, 68083-03-4)	1
Adhesive (108-88-3, 9010-98-4, 65997-13-9, 68083-03-4, 657-13-9)	3
Adhesive (9010-98-4, 65997-13-9, 68083-03-4, 108-88-3, 67-56-1, 1314-13-2, 119-47-1, 8052-10-6)	3

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.