CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008

DateRun: 03/17/2008

Experimenters: Jason Marshall

ClientType: Aluminum Anodizing Job Shop

ProjectNumber: Project #2

Substrates: Aluminum

PartType: Part

Contaminants: Coatings

Cleaning Methods: Manual Wipe

Analytical Methods: Visual

Purpose: To evaluate top two products for spot cleaning on supplied parts using swabs

Experimental Procedure: The top two products, Shopmaster RC and SC Actisolv, from the previous trials were used at room temperature. Three supplied dirty aluminum coupons coated with the Stan Chem Inc Red Stop Off (78-93-3, 108-88-3) were wiped with cotton tip swabs until the outer portion of the coupons were free of lacquer. The number of swabs used were noted and the time to clean was recorded. Parts were not rinsed or dried.

Results: Both products were able to remove the Stop Off from the coupons using the supplied swabs.

Cleaner	Observations	#Swabs	Time	Coupon
Shopmaster RC	Red visible on swabs early	3 wet	8:34	1
		4 dry		
		3 wet	8:53	2
		4 dry		
		3 wet	9:32	3
		4 dry		
SC Actisolv	2 sides clean after	6 wet	15:16	7
	12 minutes - other 2	6 dry		
	still heavily soiled	6 wet	14:29	5
	3 sides clean after	6 dry		
	12 minutes			
		5 wet	13:34	6
		6 dry		

Summary:

Substrates:	Aluminum				
Contaminants:	Coatings				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Buckeye International	Shopmaster RC	100	0.00	☑	Average of 8:59 minutes to clean
Gemtek Products	SC Actisolv Safety Solvent	100	0.00	☑	Average of 14:26 minutes to clean

Conclusion: The Shopmaster RC appears to be the more effective spot cleaner, requiring less time and fewer swabs to remove the coating from the coupons.