CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2009

DateRun: 01/19/2009

Experimenters: Jason Marshall, Daniel Pina

ClientType: Wire & Cable Mfr

ProjectNumber: Project #2

Substrates: Galvinized Steel

PartType: Part

Contaminants: Inks

Cleaning Methods: Manual Wipe

Analytical Methods: Visual

Purpose: To evaluate selected products for ink removal from supplied parts using manual wiping.

Experimental Procedure: Five products from the previous trial were selected based on ink removal. Each product was used at full strength and room temperature. A Kimberly Clark reinforced Wypall X60 reinforced wiper was soaked with a cleaning product and then used to wipe ink off of a section on ink coated galvanized steel cable housing. Cleaning was stopped after 5 minutes and observations were made.

During the course of the experiment, a sixth product was included based on vendor recommendation for ink removal.

Results:

Cleaner	Observations	Rank
DBE 6	Required more than 5 minutes	5
	Little ink removal	
Shopmaster RC	Required more than 5 minutes	5
	Little ink removal	
SC Soyester	Required more than 5 minutes	4
	Part of wire cleaned - fair	
	ink removal	
Graffiti Remover SAC	Required more than 5 minutes	2
	Removed most of the ink	
Smart Solve 605	Required more than 5 minutes	3
	Most ink removed	
Vandal Mark Remover	Less than 5 minutes	1
	Removed ink in under 2 minutes	

Summary:

Substrates:	Galvinized Steel
Contaminants:	Inks

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Invista S.a.r.l	Flexisolv DBE 6 ester	100	0.00	☐	
Buckeye International	Shopmaster RC	100	0.00	☐	
Gemtek Products	SC Soyester	100	0.00	☐	
Spartan Chemical Company	Graffiti Remover SAC	100	0.00	☑	
United Laboratories International	Smart Solve 605	100	0.00	☑	
United Laboratories International	Vandal Mark Remover	100	0.00	☑	

Conclusion: Of the five previously tested products, Graffiti Remover SAC and Smart Solve 605 worked the best. The added sixth product however worked better than both of these products. The one concern with the Vandal

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Mark Remover is that it may not be the safest product to use. A further review of EH&S materials will be conducted.