

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 36  
 DateRun: 11/21/2025  
 Experimenters: Alexander Symko  
 ClientType: Adhesive Manufacturer  
 ProjectNumber: Project #1  
 Substrates:  
 PartType: Coupon  
 Contaminants: Coatings  
 Cleaning Methods: Immersion/Soak  
 Analytical Methods: HSPiP

Purpose: Determine the HSP coordinates of Flexcon's 1565 Copolyester Acrylic topcoat

Experimental Procedure: 24 scintillation vials were filled with 24 different solvents from TURI's HSP matrix. The 1565 copolyester acrylic topcoat was spread onto wax paper and allowed to air dry for 3-4 hours. After it was dry, but not hardened, balls of adhesive were scraped into each of the 24 scintillation vials and allowed to soak. For the first hour, visual observations were taken every 10 minutes, then following the first hour observations were taken every half hour up until 3 hours. The vials were then allowed to sit overnight before final observations were taken. A "0" denotes that less than 80% of the target soil was dissolved. While a rating of "1" denotes greater than 80% dissolution of the target soil.

Matrix #	Final Score
1 - Toluene	1
2 - Dimethyl Carbonate	1
3 - Xylenes	1
4 - Benzyl Alcohol	1
5 - Ethylene glycol	0
6 - Methyl Acetate	1
7 - Undecane	0
8 - Ethyl Lactate	0
9 - Acetone	1
10 - Ethyl Acetate	1
11 - Methanol	0
12 - Ethanol	0
13 - 1,3-dioxolane	1
14 - Diethyl Carbonate	1
15 - 1-propanol	0
16 - Isopropanol	0
17- Propylene Carbonate	0
18 - Thiophene	1
19 - 1-Methoxy-2-Propanol	0
20 - Dimethyl Sulfoxide	0
21 - 1-Butanol	0
22 - Dimethyl glutarate	1
23 - Anisole	1
24 - 2-Butoxyethyl-Acetate	1

Where 1 = more than 80% dissolution, 0 = Less than 80% dissolution

Summary:

Substrates:					
Contaminants:		Coatings			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
EM Science	Toluene	100%	0.00	<input checked="" type="checkbox"/>	
Alfa Aesar	Dimethyl Carbonate 99%	100%	0.00	<input checked="" type="checkbox"/>	
Fisher Scientific	Xylene	100%	0.00	<input checked="" type="checkbox"/>	
	Benzyl Alcohol	100%	0.00		

## CLEANING LABORATORY EVALUATION SUMMARY

No Specific Vendor				<input checked="" type="checkbox"/>	
Alfa Aesar	Ethylene Glycol	100%	0.00	<input type="checkbox"/>	
Alfa Aesar	Methyl Acetate	100%	0.00	<input checked="" type="checkbox"/>	
TCI America	Undecane	100%	0.00	<input type="checkbox"/>	
Fisher Scientific	Ethyl Lactate	100%	0.00	<input type="checkbox"/>	
J.T. Baker	Acetone	100%	0.00	<input checked="" type="checkbox"/>	
Alfa Aesar	Ethyl Acetate	100%	0.00	<input checked="" type="checkbox"/>	
Fisher Scientific	Methanol (CAS: 67-56-1)	100%	0.00	<input type="checkbox"/>	
Fisher Scientific	Ethanol	100%	0.00	<input type="checkbox"/>	
Fisher Scientific	1,3-Dioxolane (CAS:646-06-0)	100%	0.00	<input checked="" type="checkbox"/>	
Fisher Scientific	Diethyl carbonate	100%	0.00	<input checked="" type="checkbox"/>	
Fisher Scientific	1-Propanol	100%	0.00	<input type="checkbox"/>	
Fisher Scientific	Isopropanol (CAS:67-63-0)	100%	0.00	<input type="checkbox"/>	
Fisher Scientific	Propylene carbonate 99.5% (CAS: 108-32-7)	100%	0.00	<input type="checkbox"/>	
Alfa Aesar	Thiophene	100%	0.00	<input checked="" type="checkbox"/>	
Alfa Aesar	1-Methoxy 2-Propanol	100%	0.00	<input type="checkbox"/>	
Fisher Scientific	Dimethyl Sulfoxide - DMSO (CAS: 67-68-5)	100%	0.00	<input type="checkbox"/>	
Alfa Aesar	1-Butanol 99.4%+	100%	0.00	<input type="checkbox"/>	
Fisher Scientific	Dimethyl glutarate (CAS:1119-40-0)	100%	0.00	<input checked="" type="checkbox"/>	
Fisher Scientific	Anisole (CAS: 100-66-3)	100%	0.00	<input checked="" type="checkbox"/>	
Fisher Scientific	2-Butoxyethyl Acetate	100%	0.00	<input checked="" type="checkbox"/>	

**Conclusion:**

Based on the results of this panel, Toluene, Dimethyl Carbonate, Xylene, Benzyl Alcohol, Methyl Acetate, Acetone, Ethyl Acetate, 1,3-dioxolane, Diethyl Carbonate, Thiophene, Dimethyl Glutarate, Anisole, and 2-Butoxyethyl-acetate were successful in dissolving the target soil. The other 11 solvents were not successful in dissolving the target soil.