CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2001
DateRun:	01/01/2001
Experimenters:	Jason Marshall
ClientType:	University
ProjectNumber:	Project #1
Substrates:	Alloys, Aluminum
PartType:	Coupon
Contaminants:	Paints, Resins/Rosins
Cleaning Methods:	Immersion/Soak
Analytical Methods:	
Purpose:	Information request
Experimental Procedure:	SUBSTRATE MATERIAL: Aluminum turbines QUESTION ASKED: We are working with a firm which remanufactures turbine engines. The aluminum alloy intakes of the engines are coated with a very tough epoxy paint. The current material used to remove the epoxy is Turco Transpo, manufactured by Turco Products, Inc. While very effective, this chemical is extremely hazardous. It is composed of approximately 10% cresol, 55%, dichloromethane, <1% Sodium chromate, and 5% sodium phenolate. Does anyone know of a safer, less hazardous alternative? Media blasting is, unfortunately, not an alternative in this application.
Results:	RESPONSE/ANSWER: Using the lab's Simple Solutions and ICS:DOV databases, the following two lists were generated based on the supplied information:

Lab Tested Products

Cleaner Mfr	PRODUCT NAME
WR Grace & Co Conn	DARACLEAN 282
US Polychemical Corp	Polychem DEOX 007
Oakite Products Inc	Inproclean 3800
WR Grace & Co Conn	DARACLEAN 282
Oakite Products Inc	Inproclean 3800
Oakite Products Inc	Inproclean 3800
Brulin	COMPLIANCE
Chrisal USA Inc	Super CMF 240
Oakite Products Inc	INPROCLEAN 4000 T
Gemtek Products	SC 1000
Tarksol Incorporated	HTF 50
Chrisal USA Inc	Super CMF 240
Gemtek Products	SC 1000
WR Grace & Co Conn	DARACLEAN 232
Solvent Kleene Inc	D Greeze 500 LO
Chrisal USA Inc	Super CMF 240
AG Environmental Products	Soy Gold 1000
AG Environmental Products	Soy Gold 2000
AG Environmental Products	Soy Gold 2000
AG Environmental Products	Soy Gold 2000
AG Environmental Products	Soy Gold 2000
AG Environmental Products	Soy Gold 2000
AG Environmental Products	Soy Gold 2000
Savogran Company	HD 34 Cleaner Degreaser

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Savogran Company	HD 34 Cleaner Degreaser
Gemtek Products	SC Supersolve
Gemtek Products	SC Supersolve
EnviroSolutions Inc	BIO T 300 B
Safe Science	Safe Science All Purpose (Industrial)
ISP Technologies	SAFE STRIP RESIN CLEANER
EnviroSolutions Inc	BIO T MAX
EnviroSolutions Inc	BIO T 300 B
Finger Lakes Chemicals	Resineater
Solvent Kleene Inc	D Greeze 500 LO
Savogran Company	SI # 4 Coating Remover
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Solvent Kleene Inc	D Greeze 500 LO
Finger Lakes Chemicals	Resineater
EnviroSolutions Inc	BIO T 300 B
Vendor Suggested Products	
Company Name	Product Name
Buckeye International Inc	Shopmaster
Buckeye International Inc	Shopmaster LPH
Ecolink Inc	Safe Strip
EnviroSolutions Inc	SolSafe 245
Hotsy Cleaning Systems	Hotsy Detergents Tub & Pressure Wash
International Products Corp	Surface Cleanse 930
Oakite Products Inc	Inproclean 4000 T
Tarksol Incorporated	Tarksol NPB
Today & Beyond	Beyond 2001
Today & Beyond	Beyond 2002
Today & Beyond	Beyond 2003
Today & Beyond	Beyond 2004
Today & Beyond	Beyond 2005
Today & Beyond	Beyond 2006
US Polychemical Corp	Hydropurge 36
US Polychemical Corp	Polychem 2000 P
US Polychemical Corp	Polychem A 2000 XS
US Polychemical Corp	Polychem Acra Strip 600
US Polychemical Corp	Polychem DE 144
US Polychemical Corp	Polychem DEOX 007
US Polychemical Corp	Polychem Hydropurge 21
US Polychemical Corp	Polychem Hydropurge 36 XS
US Polychemical Corp	Polychem Hydropurge XS 790
US Polychemical Corp	Polychem RCC-25
US Polychemical Corp	Polyspray Jet 790 P

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US Polychemical Corp	Polyspray Jet 790 XS

Summary:

Substrates:	Alloys, Aluminum				
Contaminants:	Paints, Resins/Rosins				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
No Specific Vendor	Supplied alternatives list		0.00	☐	

Conclusion: For further information or MSDSs on any of the listed products contact the lab at (978)934-3133.