CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2000
DateRun:	11/26/2000
Experimenters:	Jason Marshall
ClientType:	Chemical Company
ProjectNumber:	Project #1
Substrates:	Other
PartType:	Coupon
Contaminants:	Abrasive, Adhesive, Buffing/Polishing Compounds, Carbon Deposits, Cutting/Tapping Fluids, Fluxes, Greases, Inks, Lubricating/Lapping Oils, Paints, Resins/Rosins, Dirt, Fingerprints, Alcohol, Clay, Pitch, Oil, Calcium/lime
Cleaning Methods:	Immersion/Soak
Analytical Methods:	
Purpose:	Information request
Experimental Procedure:	SUBSTRATE MATERIAL: Any QUESTION ASKED: Would like a results of cleaning trials performed for Soy Gold products.
Results:	RESPONSE/ANSWER: The Massachusetts Toxics Use Reduction Institute (TURI) has made the results of the tests conducted at the Institute's Surface Cleaning Laboratory (SCL) into a searchable database format. This should make alternative cleaner selection faster and easier. Here are the results of your query, based on the information supplied: Trial Classifications*

Cleaner Mfr	Cleaning Chem	Trials	1	2	3	4	5	6	7	8	9
AG Environmental Products	Soy Gold 1000	15	7	5	2	1					
AG Environmental Products	Soy Gold 2000	14	1	6	3	2	1	1			

Chemistry	Contaminant	Effective
Soy Gold 1000	Acrylic Sealant-Aromatic Hydrocarbon (Toluene 108-88-3)	No
Soy Gold 1000	None	Yes
Soy Gold 1000	Asphalt	No
Soy Gold 1000	Dirty cleaning solution-Naphtha w/ residual paint chips and pumice sludge	No
Soy Gold 1000	Ink-P200-200 Black Base	No
Soy Gold 1000	Ink-Duracell Copper	No
Soy Gold 1000	Ink-Poly 2700 Process Red	Yes
Soy Gold 1000	Ink-Poly 2700 Process Red	No
Soy Gold 1000	Citgo Sliderite 220	Yes
Soy Gold 1000	Dirty cleaning solution-Naphtha w/ residual paint chips and pumice sludge	Yes
Soy Gold 1000	Acrylic Sealant-Aromatic Hydrocarbon (Toluene 108-88-3)	No
Soy Gold 1000	Dirty cleaning solution-D-Greeze 500 w/ residual	No

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	paint chips and pumice sludge	
Soy Gold 1000	Ink-Cerdec Magenta (119-64-2 Tetrahydronapthalene; 65997-18-4 Lead Boroscilicate Frit; 1345-24-0 Pigment Red 109;20667-12-3 Silver Oxide)	Yes
Soy Gold 1000	None	No
Soy Gold 1000	Citgo Cutting Oils 425	Yes
Soy Gold 1000	Citgo Sliderite 220	No
Soy Gold 1000	Citgo Cutting Oils 120	No
Soy Gold 1000	Citgo Cutting Oils 425	No
Soy Gold 1000	3M contact cement-30NF	No
Soy Gold 1000	Citgo Cutting Oils 120	Yes
Soy Gold 2000	Asphalt	No
Soy Gold 2000	Dirty cleaning solution-D-Greeze 500 w/ residual paint chips & pumice sludge	Yes
Soy Gold 2000	Ashland Specialty Chemical Co, Acrylic Resin, Aroset 1872 Z 40 (108-88-3, 141-78-6, 142-82-5, 67-63-0)	No
Soy Gold 2000	Dirty cleaning solution-D-Greeze 500 w/ residual paint chips and pumice sludge	Yes
Soy Gold 2000	Dirty cleaning solution-D-Greeze 500 w/ residual paint chips and pumice sludge	Yes
Soy Gold 2000	Dirty cleaning solution-D-Greeze 500 w/ residual paint chips and pumice sludge	Yes
Soy Gold 2000	Dirty cleaning solution, Solvent Kleen D-Greeze 500 w/ residual paint chips and pumice sludge	No
Soy Gold 2000	Dirty cleaning solution, Solvent Kleen D-Greeze 500 w/ residual paint chips and pumice sludge	No
Soy Gold 2000	Lubricating Oil (64742-53-6, 64742-52-5)	Yes
Soy Gold 2000	phenolic resin	No
Soy Gold 2000	Ashland Chemical Aroset 601 (141-78-6, 67-63-0, 108-88-3, 103-11-7, 141-32-2)	Yes
Soy Gold 2000	Oil-WA Wood Co W-373 (64741-44-2, 64742-53-6, 64742-52-5)	Yes
Soy Gold 2000	Oil-Castrol GTX Motor Oil SAE 10W40 (64742-41-2, 64741-88-4, 64742-01-4,	Yes

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	64742-46-7, 64742-54-7, 64742-56-9, 64742-57-0, 64742-62-7, 64742-65-0, 72623-83-7, 72623-84-8, 72623-85-9, 72623-86-0, 72623-87-1)	
Soy Gold 2000	Solutia Gelva Multipolymer Resin Solution (50862-46-9, 141-78-6, 142-82-5, 67-63-0, 64-17-5, 108-05-4)	No
Soy Gold 2000	None	Yes

*Trial Numbering System for the laboratory trial notebooks.

1- Preliminary compatibility tests on substrate coupons encouraging for at least one cleaning chemistry. More in-depth laboratory testing necessary

2- Results successful using TACT (time, agitation, concentration, and temperature, as well as rinsing and drying) and/or other cleaning chemistries examined

3- Results suggest a scale-up feasible match for cleaning chemistry and equipment. Pilot plant study with actual parts recommended.

4- A follow up test, usually based on company input

5- A cleanliness study, addressing only various analytical techniques

6- Test incomplete or inconclusive

7- Test showed little or no promise

8- Final Report only

9- Technology Transfer

Summary:

Substrates:	Other
Contaminants:	Abrasive, Adhesive, Buffing/Polishing Compounds, Carbon Deposits, Cutting/Tapping Fluids, Fluxes, Greases, Inks, Lubricating/Lapping Oils, Paints, Resins/Rosins, Dirt, Fingerprints, Alcohol, Clay, Pitch, Oil, Calcium/lime

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
AG Environmental Products	Soy Gold 1000		0.00	☐	
AG Environmental Products	Soy Gold 2000		0.00	☐	

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