CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2008
DateRun:	07/24/2008
Experimenters:	Heidi Wilcox, Shweta Bansal
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #1
Substrates:	Ceramics, Plastic
PartType:	Part
Contaminants:	Dirt, Films
Cleaning Methods:	Mechanical Agitation
Analytical Methods:	Photography, Visual
Purpose:	To compare client supplied cleaner to another general purpose floor cleaner
Experimental Procedure:	One ounce of each cleaner was used per gallon of water. The dilution water was cold out of the tap. A Rubbermaid general use-wring mop was used for cleaning. Separate mop heads were used for each cleaner on each floor surface. There was a total of 6 mop heads for the experiment. Pictures were taken of the solutions before and after cleaning. In addition, the floor surface being cleaned was photographed before and after cleaning. Each surface was mopped with solution for a minute, then wrung out in the solution and the floor was cleaned for another minute. There was no rinsing, and the surface was allowed to air dry. Observations were made about foaming, odor, solution color before and after cleaning, mop soiling and floor surface cleanliness.
Results:	Both products performed about the same, taking some dirt off all the floor surfaces. The Tribase product foamed and had odor the OrTec product did not. Observations are recorded in the table.

Composite Resin Flooring

	OTEC Cleaner		Tribase		
	Before	After		Before	After
Solution	Clear	Dark grey with solid	Clear	grey with solid bits of dirt	
			bits of dirt		
Odor	None	None		Faint, citrus	Same
				like smell	
Foam	None	None		Some on top	More after dunked and rung mop
Mop head	Blue, new	Visible dirt on spot	Blue, new	Visible dirt on spot used to clean floor	
			used to clean floor		
Floor (Lab)	Dirty, spots	No difference seen	Dirty, spots	Cleaner, less spots.	
	of ink, various	visually. Particles	of ink, various		
	soils	& hair picked up.	soils		
			Solution beads on		
			floor		
Ceramic Tile Flooring					
	OTEC Cleaner		Tribase		

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	Before	After		Before	After
Solution	Clear	Slightly dirty	Clear	Slightly dirty	
Odor	None	None		Faint, citrus	Same
				like smell	
Foam	None	None		Some on top	More after dunked and rung mop
Mop head	Blue, new	Visible dirt on spot	Blue, new	Visible dirt on spot used to clean floor	
			used to clean floor		
Floor	Floor generally	Not difference seen	Floor dingy	Not much difference.	
(bathroom)	dingy and grout	visually - Particles	grout	Particles and hair picked up	
	dirty	& hair picked up &	dirty	and seen in solution.	
			seen in solution		
			which beads on floor		
Vinyl Tile Flooring					
	OTEC Cleaner		Tribase		
	Before	After		Before	After
Solution	Clear	Slightly dirty	Clear	Slightly dirty	
Odor	None	None		Faint, citrus	Same
				like smell	
Foam	None	None		Some on top	More after dunked and rung mop
Mop head	Blue, new	No visible	Blue, new	No visible dirt on the mop head.	
			dirt on the		Not much on floor to start
			mop head.		
			Not much on floor		
			to start		
Floor	A couple of dirt Cleaner, no spots.	Dirty, spots	Cleaner, less spots.		
(hallway)	spots on floor	Solution beads on	of ink, various		
			floor.		Soils

Summary:

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Substrates:	Ceramics, Plastic				
Contaminants:	Dirt, Films				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Ortec Ltd Co	Eco Clean	0.78	0.00	☑	
Spartan Chemical Company	Tribase Multipurpose Cleaner	0.78	0.00	☑	

Conclusion: Both cleaners over all seem to be doing some cleaning of the floors. The cleaning process will be performed for 3 more weeks to see if there is any noticeable difference in the floors over time.