Sustainability Action Research Final Presentations Sustainable Purchasing

Evaluating new cleaning products for UCLA Facilities Management

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Introduction

Facilities Management's Needs

- New chemicals
- Sustainability
- Effectiveness
- Training



Goals of the Project

- Evaluate
- Research
- Discuss
- Recommend



Sustainable Purchasing at UCLA

Significance of the project:

- Purchasing power
- Safety and environmental impact of cleaning chemicals
- Environmentally preferred purchasing

Role of Sustainable Purchasing team:

- Aid in transition to new chemicals
- Learn about evaluation / purchasing process
- Recommend products with:
 - Reduced environmental impact
 - Adequate vendor support and training
 - Preference of custodial staff



Methods

 Evaluated current cleaning products using Safety Data Sheets

WAXIE	Safety and Health Administration Haza updated in 2012) and equivalent state 1 with the United Nations Globally Harmon	IB the sequivariants of the U.S. Regional Occupation O Communication Standard USI OFR 1100 1300. Interfactor, I have also been developed in according and a standard standard standard standard standard and internation Spatian (WHAR). Molecula Last me and abbreviations.
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 PRODUCT NAME: 	WAXE-Green Bio-Active Petrole	
	 1 GL: 1030904 	
	 55 GL: 1030605 15 GL: 1030605 	
	 5 GL: 1030545 	
2 RELEVANT IDENTIFIED USES	 275 GL: 1030675 (TOTE) 	
 RECOMMENDED USE 		anar and decideriner
 IDENTIFIED LISERS: 	For sale to, use and storage by se	
3 DETAILS OF THE SUPPLIER O		
 MANUFACTURER/ 		
SUPPLIER:	WAXIE Sanitary Supply	
 ADDRESS 	9353 Waxle Way; San Diego, CA 1	2123-1036
 BUSINESS PHONE: 	1-800-995-4466	
	: 1-800-255-3924 (CHEMTEL: 24 h	ura)
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2) Researched potential replacements



Interviewed members of custodial staff who tested new 3M products

3)

SAR Sustainable Purchasing Team May 2018			
1. What new cleaning products did you test?			
 Did you find it easier, harder, or the same to use than what you normally use? Consider time, effortilabor, fagrance, effectiveness. 			
 Would you be interested in learning more about the environmental impacts of the cleaning products you use? 			
4. Non-employee and the billing to the network products products that you well (Way produces, and the products of methods) 4. Before 5. Before 6. Damp the data 6. Damp the products 6. Damp the products 6. Damp the products 6. Damp the products 6. Damp the products 7. Damp th			
g. Minimize environmental impact h. Other issues?			
 Can you think of any ideas to make coatodial services more sustainable? Consider energy, waste, water. 	L		
6. Any last comments?			

4) Future: Assess effectiveness of WAXIE-Green and WAXIE Bioactive products

Results: SDS Data ^{3M}

- 3 of 4 chemicals were Green Seal certified
- Mostly all purpose and bathroom chemicals





PRODUCT CERTIFIED FOR REDUCED ENVIRONMEN' IMPACT, VIEW SPECIFIC ATTRIBUTES EVALUATED UL:COM/EI UL:2759

ECOLOGO

Waxie

- 15 of 18 were either Green Seal or Ecologo certified
- Wide range of cleaners including microbe based enzymes
- 9 with EPA safest categorization (Category 5 toxicity)



Results: Custodian Focus Group

Most 3M products were considered more preferable to prior cleaning line

2. Glass Cleaner 17A had mixed reviews, citing streaks in bathrooms on campus

3. Ease of dilution control with wall mounted systems

Recommendations

- The **3M** products were positively received and would be a great choice for future purchase.
- **3M Glass Cleaner and Protector 17A** should be researched and tested further.
- **WAXIE-Green** and **WAXIE Bioactive** should undergo the same testing and evaluation process as the 3M chemicals.
- After background chemical research and EH&S clearance, **interviews** with custodial staff are a good way to assess effectiveness.

Conclusions

- Custodians are generally conscious of potential health effects and interested in learning more.
- A staff this large always needs effective training focused on safety and efficiency.
- The efforts by Facilities Management are a step in the right direction, especially with the option of new 3M products

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