

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2009

DateRun: 06/05/2009

Experimenters: Jason Marshall, Junhee Cho

ClientType: Cleaner Manufacturer

ProjectNumber: Project #1

Substrates: Liquid

PartType: Coupon

Contaminants: Odor

Cleaning Methods:

Analytical Methods: Smell

Purpose: To evaluate supplied aerosol base-board strippers for odor

Experimental Procedure: Three lab personnel ranked the products from least to worst odor. Products were sprayed 2-3 seconds into a clean beaker for each observer to evaluate. Odor was ranked on the level of odor and what type of odor. The overall ranking of the product was based on the average of the three rankings. The levels and odor types are listed below.

Odor Levels
high
medium/high
medium
medium/low
low/medium
low
low/none
none

Odor Types
Sweet
Flowery
Citrus
Pine
Ammonia
Ester
Ether
Medicine

Results: Only one product was ranked at the same level for all three experimenters. The Claire Baseboard product received the lowest ranking due to its strong ammonia like odor. Both the Amrep products had the lowest odor of the five baseboard stripping products.

| Cleaner | Strength | Type | Rank | Average Rank |
|--------------------|-------------------|------------------|------|--------------|
| A00808 | Mild to weak | No distinct type | 2 | 1.3 |
| | Weak | No scent | 1 | |
| | Barely noticeable | No scent | 1 | |
| A00806 | Mild | Lemon | 1 | 1.7 |
| | Mild | Fruit | 2 | |
| | Mild | Orange | 1 | |
| Trouble Shooter | Mild | Alcohol | 3 | 3.7 |
| | Mild | Alcohol | 4 | |
| | Mild | Alcohol | 4 | |
| Shineline Stripper | Mild-strong | Alcohol | 3 | 3.3 |
| | Mild | Alcohol | 3 | |
| | Mild/moderate | Alcohol-citrus | 3 | |
| Baseboard Cleaner | Strong | Ammonia | 5 | 5 |

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| | | | | |
|--|-------------|---------|---|--|
| | Very Strong | Ammonia | 5 | |
| | Strong | Ammonia | 5 | |

Summary:

| | | | | | | |
|--------------------------|--|---------------|--------------------|-------------------------------------|----------------------|--|
| Substrates: | | Liquid | | | | |
| Contaminants: | | Odor | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: | |
| Amrep Inc | Aspire Baseboard Stripper A00808 Aerosol | 100 | | <input checked="" type="checkbox"/> | Rank = 1 | |
| Amrep Inc | Misty X-Wax Stripper Aerosol | 100 | | <input checked="" type="checkbox"/> | Rank = 2 | |
| 3M | Trouble Shooter Aerosol | 100 | | <input type="checkbox"/> | Rank = 4 | |
| Spartan Chemical Company | Shineline Baseboard Stripper - Aerosol | 100 | | <input checked="" type="checkbox"/> | Rank = 3 | |
| Claire Manufacturing | Baseboard Cleaner & Wax Stripper Aerosol | 100 | | <input type="checkbox"/> | Rank = 5 | |

Conclusion:

The Amrep Aspire had the lowest (best) ranking.