

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004

DateRun: 03/01/2004

Experimenters: Dave Hout

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Coatings

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning. Two products were used at full strength and two others were heated to 130 F on a hot plate. Twelve preweighed coupons were coated with Ferrocote 5815 LVO and allowed to dry for a half an hour and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated.

## Results:

### Summary:

| <b>Substrates:</b>           | Aluminum                  |        |             |                          |               |
|------------------------------|---------------------------|--------|-------------|--------------------------|---------------|
| <b>Contaminants:</b>         | Coatings                  |        |             |                          |               |
| Company Name:                | Product Name:             | Conc.: | Efficiency: | Effective:               | Observations: |
| Chemtronics Inc              | Super Bio Wash            | 100    | 42.32       | <input type="checkbox"/> |               |
| Man Gill Chemical Company    | Gillite 1156              | 100    | 38.79       | <input type="checkbox"/> |               |
| Hubbard Hall Inc             | Ram Charger               | 5      | 38.84       | <input type="checkbox"/> |               |
| Chemkleen International Inc. | CT 1 Multipurpose Cleaner | 5      | 55.60       | <input type="checkbox"/> |               |

Conclusion: None of the products were effective at removing the contaminants.