

## CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000  
DateRun: 06/01/2000  
Experimenters: Jason Marshall  
ClientType: Jewelry Mfr  
ProjectNumber: Project #1  
Substrates: Copper  
PartType: Coupon  
Contaminants: Films  
Cleaning Methods:  
Analytical Methods:  
Purpose: Information request  
Experimental Procedure: SUBSTRATE MATERIAL: Copper Tubes  
QUESTION ASKED: We are contacting you to see if you can recommend a solvent to replace Isopropyl Alcohol in a drying method. We are starting a new project that requires us to clean a copper tube, rinse and dry. The test have been done by coating the tube with alcohol after the rinsing step. The alcohol displaces the water and dries rapidly. We realize that the alcohol is a fire hazard and would like to replace it with another solvent that is non-flammable but would do the same thing as the alcohol. If you have any suggestions please reach me by e-mail, I am semi-retired and only working two days a week at this point so by phone may be a little difficult.  
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/spreadsheet format. This should make alternative cleaner selection faster and easier. Here are the results of your query, based on the information supplied: Table 1 lists the successful cleaning trials conducted using ultrasonic cleaning.  
SCL #  
95-406-01-2  
95-406-02-2  
95-406-03-6  
95-406-04-2  
95-406-05-6  
Summary:  
Conclusion: For further information contact the lab at (978)934-3133.