CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999

DateRun: 01/27/1999

Experimenters: Jason Marshall

ClientType: Publishing Co

ProjectNumber: Project #1

Substrates: Copper, Electronics

PartType: Coupon

Contaminants: Oxides

Cleaning Methods:

Analytical Methods:

Purpose: Looking for a cleaner of electronic component copper leads.

Experimental Procedure: SUBSTRATE MATERIAL: Copper, electronics
QUESTION ASKED: Looking for a cleaner of electronic component copper leads. Components are to be dipped into solution and washed via a separate bath. The function is to remove copper oxide on the leads. Trying to minimize issues involving public sewer disposal of rinse water.

Results: RESPONSE/ANSWER: The Massachusetts Toxics Use Reduction Institute (TURI) has made the results of the tests conducted at the Institutes 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:

SCL #	Substrate	Contaminant	Process	Cleaner
95-406-04-2	COPPER	OIL	ULTRASONICS	SKYPRODUCTS
95-406-04-2	COPPER	OIL	ULTRASONICS	OAKITE
95-407-04-2	COPPER	WAX	IMMERSION	OAKITE
95-407-07-2	COPPER	LUBRICANT	IMMERSION	AW CHESTERTON
95-407-07-2	COPPER	OIL	IMMERSION	AW CHESTERTON
95-407-07-2	COPPER	WAX	IMMERSION	AW CHESTERTON
96-431-01-8	COPPER	OIL	IMMERSION	OAKITE
96-431-01-8	COPPER	OXIDES	IMMERSION	OAKITE
96-432-01-8*	COPPER	ASPHALT	IMMERSION	AG ENVIRONMENTAL
96-432-01-8*	COPPER	ASPHALT	IMMERSION	CALGON
95-406-01-2	COPPER	OIL	ULTRASONICS	SKYPRODUCTS
95-406-02-2	COPPER	OIL	ULTRAS0NICS	SKYPRODUCTS
95-407-05-2	COPPER	WAX	IMMERSION	OAKITE
95-407-05-2	COPPER	OIL	IMMERSION	OAKITE
98-675-03-2	COPPER	COATING	IMMERSION	WATER
98-675-03-2	COPPER	COATING	IMMERSION	FINE ORGANICS
98-679-01-2	COPPER	OIL	IMMERSION	CALGON
98-679-01-2	COPPER	OIL	IMMERSION	WR GRACE
98-679-02-4	COPPER	OIL	ULTRASONICS	CALGON
98-679-02-4	COPPER	OIL	ULTRASONICS	WR GRACE
98-679-03-4	COPPER	OIL	ULTRASONICS	WR GRACE
98-679-03-4	COPPER	OIL	ULTRASONICS	CALGON
98-679-04-4	COPPER	OIL	ULTRASONICS	CALGON
98-679-04-4	COPPER	OIL	ULTRASONICS	WR GRACE
98-679-05-4	COPPER	OIL	ULTRASONICS	CALGON
98-679-06-4	COPPER	OIL	ULTRASONICS	CALGON
96-449-01-1	COPPER	OIL	IMMERSION	CALGON
96-449-01-1	COPPER	OIL	IMMERSION	ARDROX
96-449-01-1	COPPER	OIL	IMMERSION	BUCKEYE

Summary:

Conclusion:

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Cleaning projects vary from case-to-case. To obtain more detailed information about any of the listed trials, have the SCL # ready when contacting the lab at (978)934-3133.