TOXICS USE REDUCTION INSTITUTE

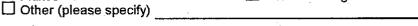
THE MASSACHUSETTS

TOXICS USE REDUCTION INSTITUTE

Surface Cleaning Laboratory
University of Massachusetts • Lowell
One University Avenue
Lowell, Massachusetts 01854-2881



Telephone: (508) 934-31 FAX: (508) 934-3050	33	•
CLEANING CHE	MISTRY QUESTION	NAIRE
The Toxics Use Reduction Institute maintains cleaning equipment and recycling/treatment provided by you. Please make any necessal supplied. Blank questionnaires are also incline database.	equipment. The information listed below by corrections and include any information	has previously been that has not been
Return responses to: Jay Jankauskas Toxics Use Reduction University of Massachu One University Avenue Lowell, MA 01854-286	usetts-Lowell e	
Frade Name of Product ND-17		
Company Name <u>MacDermid Inc.</u>		:
Street Address 245 Freight Street	Waterbury	CT 06702
Contact Person/Title Robert Griffiths / Marke	ting Manager Telephone203-575-5726	Fax
Provide a general description of your product Mildly alkaline, liquid immersion cleaner.	t and it's uses.	
Please check the classification that describe	s your product.	
☐ Saponified Aqueous ☐ Semi-Aqueous ☑ Alkaline Aqueous ☐ Terpene ☐ Acidic Aqueous ☐ Caustic	☐ Petroleum Distillates ☐ Organic ☐ HCFC ☐ Powder Detergent ☐ Other (please specify)	*
Please check the appropriate industries in w	hich your product is used.	
Metal Fabrication/Finishing Electronics/PCB's Electronics/Semiconductor General Electronics Military Printing	☐ Precision Instruments ☐ Medical ☐ General Cleaning/Maintenance ☐ Chemical Industry (tank & piping boil of the content of th	outs) —
Please check the contaminants that you pro	duct is known to remove.	
☐ Adhesives ☐ Buffing/polishing/lapping compounds ☐ Carbon Deposits ☐ Conformal Coatings ☐ Fluxes ☐ Other (please specify)	Inks ☐ Rust ☐ Greases ☐ Scale ☐ Mold Release ☐ Silicones ☑ Oils ☒ Waxes ☐ Paints/coatings	





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	Please check the materials with which your product is compatible.	
	☐ Electronics ☐ Precious Metals (Gold, Silver)	
	☐ Ferrous Metals ☐ Copper and Brass	
	☐ Plastics ☐ Aluminum and Aluminum Alloys ☐ Rubber	
	Please check the following cleaning processes with which your product is compatible.	
	☐ High Pressure Spray ☐ Steam Cleaning	
	☐ Low Pressure Spray ☐ Cold Solvent Cleaning ☐ Immersion ☐ Vapor Degreasing	
	Ultrasonics	
	Is your product designed to emulsify, dissolve or displace contaminants? (circle one)	
	If water dilutable, what is the recommended concentration range that your product may be used at?	
	10-20%	
,	What is the recommended temperature range that your product may be used at?	
	Check off the following that your chemistry contains.	
1	☐ Rinse Aids ☐ Anti-foam Agents	
	Silicates	
	☐ Sequestering Agents ☐ Caustic	
	What is the average price of your product per gallon or lb? \$9.44/gal	
	Does your product meet any cleaning standards (ASTM, military or aircraft specs, FDA approval, etc.). If so please list.	
•		
	Dhysical Dronaulica	
i	Physical Properties	
	E4#40	
	Percent Volatile: 6 Maximum Theoretical VOC Content: 15 4/gd	
	Flash Point: WA HMIS Ratings: Health:	
	Vapor Pressure: Flammability: 0	
	pH of Concentrate: 12.8 Reactivity:	
:	Surface Tension:	

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