



**TURI SURFACE CLEANING LABORATORY**  
**CLEANING CHEMICAL QUESTIONNAIRE**

See letter for submission instructions.

24.

Material Safety Data Sheet (MSD)  
**MUST Be Attached**  
 (and Technical Data Sheet, if avail.)

1. Product/Trade Name (Please use a separate questionnaire for each cleaning chemical you want listed in the Direct  
Key note Generic Chemical Family: \_\_\_\_\_

Meets Specified Standard(s): ASTM: \_\_\_\_\_ Mil Spec: \_\_\_\_\_ FDA: \_\_\_\_\_ Other: \_\_\_\_\_  
 Primary Cleaner Classification (Check only one):

- |   |   |   |                                       |
|---|---|---|---------------------------------------|
| <input type="checkbox"/> Acidic Aqueous   | <input type="checkbox"/> Semi-Aqueous         | <input type="checkbox"/> Powder detergent | <input type="checkbox"/> Extracting   |
| <input type="checkbox"/> Neutral Aqueous  | <input type="checkbox"/> Terpene              | <input type="checkbox"/> Enzymatic/       | <input type="checkbox"/> HCFC         |
| <input type="checkbox"/> Alkaline Aqueous | <input type="checkbox"/> Petroleum distillate | <input type="checkbox"/> Microbial        | <input type="checkbox"/> Alcohol      |
| <input type="checkbox"/> Caustic          | <input type="checkbox"/> Organic              | <input type="checkbox"/> Blasting         | <input type="checkbox"/> Other: _____ |

2. Chemical Constituents (Check all that apply & specify) Example  Builder: Sodium Hydroxide 50% (as Concentra:

Cleaner Containing: **At Least Some Water ( \_\_\_\_\_ %)** OR **No/Minimal Water**

<input type="checkbox"/> Builder: _____	<input type="checkbox"/> Water conditioner/Sequestering/	<input type="checkbox"/> Supercritical fluid: _____
<input checked="" type="checkbox"/> Surfactant: _____	Chelating agent: _____	<input type="checkbox"/> Blasting medium: _____
<input checked="" type="checkbox"/> Emulsifier: _____	<input type="checkbox"/> Corrosion inhibitor/Rust	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Saponifier: _____	prohibitor: _____	
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Anti-microbial: _____	
<input checked="" type="checkbox"/> Rinse aid/Silicate: <u>sodium silicate (6834-92-0)</u>		

3. Industrial Applications (Number all that apply, Most Used = 1)

- |   |  |  |   |
|---|--|--|---|
| <input type="checkbox"/> Aerospace/Military | <input type="checkbox"/> Metal Finishing   | <input type="checkbox"/> PCBs                  | <input type="checkbox"/> Semiconductors                             |
| <input type="checkbox"/> Cleanrooms         | <input type="checkbox"/> Metal Fabrication | <input type="checkbox"/> Plastics              | <input checked="" type="checkbox"/> General Cleaning (floors, etc.) |
| <input type="checkbox"/> Basic Electronics  | <input type="checkbox"/> Optics            | <input type="checkbox"/> Precision Instruments | <input checked="" type="checkbox"/> Maint./Repair (engines, etc.)   |
| <input type="checkbox"/> Medical            | <input type="checkbox"/> Painting          | <input checked="" type="checkbox"/> Printing   | <input type="checkbox"/> Other: _____                               |

4. Contaminant Removal (Check all that apply & specify, if possible)

- |  |  |   |   |
|--|--|---|---|
| <input type="checkbox"/> Adhesives         | <input type="checkbox"/> Coatings        | <input checked="" type="checkbox"/> Greases           | Example <input checked="" type="checkbox"/> Coatings <u>Conformal</u> |
| <input type="checkbox"/> Buffing/polishing | <input type="checkbox"/> Cutting/tapping | <input checked="" type="checkbox"/> Inks, <u>some</u> | <input type="checkbox"/> Mold releases/                               |
| <input type="checkbox"/> Carbon deposits   | <input type="checkbox"/> Fluxes          | <input checked="" type="checkbox"/> Lubricating/      | <input type="checkbox"/> Silicones                                    |
|  |  | lapping oils  | <input type="checkbox"/> Rust/Scale                                   |
|  |  |   | <input type="checkbox"/> Waxes  |
|  |  |   | <input type="checkbox"/> Other: _____                                 |
|  |  |   | <input checked="" type="checkbox"/> Resins/Rosins                     |

5. Substrate Compatibility (Check all that apply)

- |  |  |  |   |  |
|--|--|--|---|--|
| <input checked="" type="checkbox"/> Aluminum     | <input checked="" type="checkbox"/> Carbon steel     | <input type="checkbox"/> Glass/quartz                        | <input type="checkbox"/> Rubber                     | <input type="checkbox"/> Nickel                            |
| <input type="checkbox"/> Alloys (Specify): _____ | <input checked="" type="checkbox"/> Ceramics         | <input type="checkbox"/> Gold                                | <input checked="" type="checkbox"/> Stainless steel | <input type="checkbox"/> Tin                               |
| <input type="checkbox"/> Brass                   | <input type="checkbox"/> Copper                      | <input checked="" type="checkbox"/> Plastic (Specify): _____ | <input checked="" type="checkbox"/> Steel           | <input checked="" type="checkbox"/> Other: <u>concrete</u> |
|  | <input checked="" type="checkbox"/> Galvanized steel |  | <input type="checkbox"/> Sterling/silver            |  |

Equipment Compatibility (Check all that apply & specify, if applicable)

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Cold Solvent              | <input checked="" type="checkbox"/> Mechanical Agitation | <input type="checkbox"/> Low Pressure Spray _____ psi-range  |
| <input type="checkbox"/> Vapor Degreasing          | <input type="checkbox"/> Ultrasonics                     | <input type="checkbox"/> High Pressure Spray _____ psi-range |
| <input checked="" type="checkbox"/> Manual Wipe    | <input type="checkbox"/> Media Blasting                  | <input type="checkbox"/> Other: _____                        |
| <input checked="" type="checkbox"/> Immersion/Soak | <input type="checkbox"/> Supercritical Extract           |  |

Recommended Concentrations: bottled Percent Volume (range)  
 Recommended Temperatures: any Deg. F (range)

Important Physical and Chemical Properties:

Maximum theoretical VOC content: \_\_\_\_\_  
 GWP: \_\_\_\_\_ Surface Tension: \_\_\_\_\_ Density: \_\_\_\_\_  
 ODP: \_\_\_\_\_ Kb value: \_\_\_\_\_ Other: \_\_\_\_\_

Cost per pound/gallon: Smallest-unit price: \_\_\_\_\_ Large-volume price: \_\_\_\_\_ US\$

Additional pertinent information not found elsewhere on this form or MSDS: