

**TURI Surface Cleaning Laboratory**  
**CLEANING CHEMICAL QUESTIONNAIRE**

See letter for submission instructions.

**Material Safety Data Sheet (MSDS)**  
**MUST Be Attached**  
**(and Technical Data Sheet, if available)**

Product/Trade Name (Please use a separate questionnaire for each cleaning chemical you want listed in the Directory)

SOOT PARTS WASH NR

Generic Chemical Family: TERPENE

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 checked="" type="checkbox"/> Terpene   | <input type="checkbox"/> Enzymatic/       | <input type="checkbox"/> HCFC         |
| <input type="checkbox"/> Alkaline Aqueous | <input type="checkbox"/> Petroleum distillate | 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 Concentrate)

- Cleaner Containing: At Least Some Water ( \_\_\_\_\_ %) OR  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"/> Emulsifier: _____            | <input checked="" type="checkbox"/> Corrosion inhibitor/Rust | <input type="checkbox"/> Blasting medium: _____     |
| <input type="checkbox"/> Saponifier: _____            | prohibitor: _____  |   |
| <input type="checkbox"/> Other: _____                 | <input type="checkbox"/> Anti-microbial: _____               | <input type="checkbox"/> Other: _____               |
| <input type="checkbox"/> Rinse aid/Silicate: _____    |  |   |

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

- |  |   |  |   |
|--|---|--|---|
| <input checked="" type="checkbox"/> Aerospace/Military | <input checked="" type="checkbox"/> Metal Finishing   | <input type="checkbox"/> PCBs                  | <input type="checkbox"/> Semiconductors                           |
| <input type="checkbox"/> Cleanrooms                    | <input checked="" type="checkbox"/> Metal Fabrication | <input type="checkbox"/> Plastics              | <input 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 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 @ Coatings <u>Conformal</u>            |
| <input checked="" type="checkbox"/> Buffing/polishing | <input checked="" type="checkbox"/> Cutting/tapping | <input type="checkbox"/> Inks                    | <input type="checkbox"/> Mold releases/        |
| compounds   | fluids  | <input checked="" type="checkbox"/> Lubricating/ | Silicones                                      |
| <input type="checkbox"/> Carbon deposits              | <input type="checkbox"/> Fluxes                     | lapping oils                                     | <input checked="" type="checkbox"/> Rust/Scale |
|   |   |  | <input type="checkbox"/> Waxes                 |
|   |   |  | <input type="checkbox"/> Other: _____          |
|   |   |  | <input type="checkbox"/> Resins/Rosins         |

5. Substrate Compatibility (Check all that apply)

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

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

- |  |  |  |
|--|--|--|
| <input checked="" 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           |  |

7. Recommended Concentrations: Full strength Percent Volume (range)

Recommended Temperatures: Ambient Deg. F (range)

8. Important Physical and Chemical Properties:

Maximum theoretical VOC content: 808 grams/litre

GWP: 0 Surface Tension: 25 dynes/cm Density: 7 lbs/gall

ODP: 0 Kb value: 75 Other: \_\_\_\_\_

9. Cost per pound/gallon: Smallest-unit price: \$26.60 Large-volume price: \$23.50/gall USS

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

5 gall

(55) 1gall  
Drum  
 TOTAL P.02