TURI SURACE CLEANING LABORATORY

CLEANING CHEMICAL QUESTIONNAIRE

See letter for submission instructions.

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

1. Product/Trade Name (Please use a **separate** questionnaire for each cleaning chemical you want listed in the Director
Shipmaster RC Generic Chemical Family: _____
Meets Specified Standard(s): ASTM: _____ Mil Spec: _____ FDA: _____ Other: _____
Primary Cleaner Classification (Check only one):

- ☐ Acidic Aqueous
- ☐ Neutral Aqueous
- ☐ Alkaline Aqueous
- ☐ Caustic
- ☐ Semi-Aqueous
- ☐ Terpene
- ☐ Petroleum distillate
- ☐ Organic
- ☐ Powder detergent
- ☐ Enzymatic/ Microbial
- ☐ Blasting
- ☐ Extracting
- ☐ HCFC
- ☐ Alcohol
- ☒ Other: blend of ester solvents

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

Cleaner Containing:

- ☐ Builder: _____
- ☐ Surfactant: _____
- ☐ Emulsifier: _____
- ☐ Saponifier: _____
- ☐ Other: _____
- ☐ Rinse aid/Silicate: _____

At Least Some Water (_____ %)

- ☐ Water conditioner/Sequestering/ Chelating agent: _____
- ☐ Corrosion inhibitor/Rust prohibitor: _____
- ☐ Anti-microbial: _____

OR No/Minimal Water

- ☐ Supercritical fluid: _____
- ☐ Blasting medium: _____
- ☐ Other: _____

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

- 1 ☒ Aerospace/Military
- ☐ Cleanrooms
- ☐ Basic Electronics
- ☐ Medical
- 2 ☒ Metal Finishing
- 3 ☒ Metal Fabrication
- ☐ Optics
- ☐ Painting
- ☐ PCBs
- ☐ Plastics
- ☐ Precision Instruments
- ☐ Printing
- ☐ Semicondoctors
- ☐ General Cleaning (floors, etc.
- ☐ Maint./Repair (engines, etc.)
- ☐ Other: _____

4. Contaminant Removal (Check all that apply & specify, if possible) Example ☒ Coatings *Conformal*

- ☒ Adhesives
- ☐ Buffing/polishing compounds
- ☐ Carbon deposits
- ☒ Coatings
- ☐ Cutting/tapping fluids
- ☐ Fluxes
- ☐ Greases
- ☐ Inks
- ☐ Lubricating/ lapping oils
- ☐ Mold releases/ Silicones
- ☒ Paints
- ☐ Resins/Rosins
- ☐ Rust/Scale
- ☐ Waxes
- ☐ Other: _____

5. Substrate Compatibility (Check all that apply)

- ☒ Aluminum
- ☐ Alloys (Specify): _____
- ☒ Brass
- ☒ Carbon steel
- ☐ Ceramics
- ☒ Copper
- ☐ Galvinized steel
- ☐ Glass/quartz
- ☐ Gold
- ☐ Plastic (Specify): _____
- ☐ Rubber
- ☒ Stainless steel
- ☒ Steel
- ☐ Sterling/silver
- ☐ Nickel
- ☐ Tin
- ☐ Other: _____

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

- ☒ Cold Solvent
- ☐ Vapor Degreasing
- ☒ Manual Wipe
- ☒ Immersion/Soak
- ☐ Mechanical Agitation
- ☐ Ultrasonics
- ☐ Media Blasting
- ☐ Supercritical Extract
- ☒ Low Pressure Spray _____ psi-rang
- ☐ High Pressure Spray _____ psi-rang
- ☐ Other: _____

7. Recommended Concentrations: ready to use product Percent Volume (range)
Recommended Temperatures: ambient temperature Deg. F (range)

8. Important Physical and Chemical Properties:
Maximum theoretical VOC content: 100%
GWP: _____ Surface Tension: _____ Density: 1.06 Specific Gravity
ODP: _____ Kb value: _____ Other: _____

9. Cost per pound/gallon: Smallest-unit price: $8.25/21oz bottle in 12 bottle case Large-volume price: $25.60/gal in 55gal drum US:

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