



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)

A1

1. Product/Trade Name (Please use a separate questionnaire for each cleaning chemical you want listed in the Directory)
SC-1000 Aqueous Cleaner Concentrate Generic Chemical Family: Non-Ionic Surfactant

Meets Specified Standard(s): ASTM: _____ Mil Spec: _____ FDA: _____ Other: USDA
EPA-NCP

Primary Cleaner Classification (Check only one):

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

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

Cleaner Containing: At Least Some Water (80%) OR No/Minimal Water

- | | | |
|--|--|---|
| ☐ Builder: _____ | ☐ Water conditioner/Sequestering/ | ☐ Supercritical fluid: _____ |
| ☐ Surfactant: <u>< 15%</u> | ☐ Chelating agent: <u>< 1%</u> | |
| ☐ Emulsifier: _____ | ☐ Corrosion inhibitor/Rust | ☐ Blasting medium: _____ |
| ☐ Saponifier: <u>< 1%</u> | prohibitor: <u>< 1%</u> | |
| ☐ Other: _____ | ☐ Anti-microbial: _____ | ☐ Other: _____ |
| ☐ Rinse aid/Silicate: _____ | | |

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

- | | | | |
|--|--|---|--|
| 2 ☒ Aerospace/Military | 4 ☒ Metal Finishing | ☐ PCBs | 13 ☒ Semiconductors |
| 11 ☒ Cleanrooms | 14 ☒ Metal Fabrication | 3 ☒ Plastics | 4 ☒ General Cleaning (floors, etc.) |
| 10 ☒ Basic Electronics | 5 ☒ Optics | 7 ☒ Precision Instruments | 6 ☒ Maint./Repair (engines, etc.) |
| 9 ☒ Medical | 12 ☒ Painting | 4 ☒ Printing | 1 ☒ Other: <u>Petroleum Industry</u> |

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

- | | | | | |
|---|---|---|---|---|
| ☐ Adhesives | ☐ Coatings | ☒ Greases | ☒ Mold releases/ | ☐ Rust/Scale |
| ☒ Buffing/polishing | ☒ Cutting/tapping | ☒ Inks <u>organic</u> | Silicones | ☒ Waxes <u>caruba</u> |
| compounds | fluids | ☒ Lubricating/ | ☒ Paints <u>latex</u> | ☒ Oil |
| ☒ Carbon deposits | ☐ Fluxes | lapping oils | ☐ Resins/Rosins | ☒ Other: <u>All organic</u>
<u>soils</u> |

5. Substrate Compatibility (Check all that apply)

- | | | | | |
|--|--|---|---|--|
| ☐ Aluminum | ☒ Carbon steel | ☒ Glass/quartz | ☒ Rubber | ☒ Nickel |
| ☐ Alloys (Specify): | ☒ Ceramics | ☒ Gold | ☒ Stainless steel | ☒ Tin |
| ☐ Brass | ☐ Copper | ☒ Plastic (Specify): <u>All/Any</u> | ☒ Steel | ☐ Other: _____ |
| | ☒ Galvanized steel | | ☒ Sterling/silver | |

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

- | | | | |
|--|--|---|----------------------|
| ☐ Cold Solvent | ☒ Mechanical Agitation | ☒ Low Pressure Spray | <u>Any</u> psi-range |
| ☒ Vapor Degreasing | ☒ Ultrasonics | ☒ High Pressure Spray | <u>Any</u> psi-range |
| ☒ Manual Wipe | ☐ Media Blasting | ☐ Other: _____ | |
| ☒ Immersion/Soak | ☐ Supercritical Extract | | |

7. Recommended Concentrations: 1:1 to 1:300 Percent Volume (range) _____

Recommended Temperatures: 50+ F Deg. F (range) _____ for optimal performance

8. Important Physical and Chemical Properties:

Maximum theoretical VOC content: < 25 grams per liter
GWP: _____ Surface Tension: 29.4 dynes/cm pH 10.2-10.5 Density: > water
ODP: _____ Kb value: 0.00 HMIS: _____ Other: _____

9. Cost per pound/gallon: Smallest-unit price: 12.50/gal Large-volume price: 6.40/gal US\$

10. Additional pertinent information not found elsewhere on this form or MSDS: partially in EPA Design for the Environment (DfE). SC-1000 Approved as cleaner solvent. USDA A1, Approved NCP for surface wash, handling agent