



TURI SURFACE CLEANING LABORATORY CLEANING CHEMICAL QUESTIONNAIRE

See letter for submission instructions.

CU

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

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

SC- Supersolve Generic Chemical Family: Solvent

Meets Specified Standard(s): ASTM: _____ Mil Spec: _____ FDA: _____ Other: _____

Primary Cleaner Classification (Check only one):

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

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

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

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

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

- | | | | |
|--|---|--|---|
| ☒ 2 Aerospace/Military | ☒ 7 Metal Finishing | ☐ PCBs | ☐ Semiconductors |
| ☐ Cleanrooms | ☒ 8 Metal Fabrication | ☒ 5 Plastics | ☒ 4 General Cleaning (floors, etc.) |
| ☐ Basic Electronics | ☐ Optics | ☐ Precision Instruments | ☒ 3 Maint./Repair (engines, etc.) |
| ☐ Medical | ☒ 9 Painting | ☒ 6 Printing | ☒ 1 Other: <u>Petroleum</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 | Silicones | ☒ Waxes |
| compounds | fluids | ☒ Lubricating/ | ☒ Paints | ☒ Oil |
| ☒ Carbon deposits | ☒ Fluxes | lapping oils | ☒ Resins/Resins | ☐ Other: |

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): | ☒ Steel | ☐ Other: _____ |
| | ☒ Galvanized steel | | ☒ Sterling/silver | |

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

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

7. Recommended Concentrations: full strength to 1:20 Percent Volume (range) _____

Recommended Temperatures: +32 F Deg. F (range) _____ for optimal results

8. Important Physical and Chemical Properties:

Maximum theoretical VOC content: 400 grams/liter
GWP: _____ Surface Tension: 30.2 dynes/cm pH 10.2-10.4 Density: > water
ODP: _____ Kb value: +150 HMIS: _____ Other: _____

9. Cost per pound/gallon: _____ Smallest-unit price: 39.50/gal. Large-volume price: 27.00/gal USS

10. Additional pertinent information not found elsewhere on this form or MSDS: water soluble, non-evaporative
Flashpoint > 180°F