



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)

A4

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

Detergent 8

Generic Chemical Family:

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

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: <u> </u> |

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

Cleaner Containing: **At Least Some Water (n/a %)**

OR No/Minimal Water

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

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

- | | | | |
|--|---|---|---|
| ☒ Aerospace/Military | ☒ Metal Finishing | ☒ PCBs | ☒ Semiconductors |
| ☒ Cleanrooms | ☒ Metal Fabrication | ☐ Plastics | ☐ General Cleaning (floors, etc.) |
| ☒ Basic Electronics | ☐ Optics | ☒ Precision Instruments | ☐ Maint./Repair (engines, etc.) |
| ☒ Medical | ☐ Painting | ☐ Printing | ☐ Other: <u> </u> |

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

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

5. Substrate Compatibility (Check all that apply)

- | | | | | |
|---|--|--|---|---|
| ☒ Aluminum | ☒ Carbon steel | ☒ Glass/quartz | ☐ Rubber | ☒ Nickel |
| ☒ Alloys (Specify): <u> </u> | ☒ Ceramics | ☒ Gold | ☒ Stainless steel | ☒ Tin |
| | ☒ Copper | ☒ Plastic (Specify): <u> </u> | ☒ Steel | ☐ Other: <u> </u> |
| ☒ Brass | ☒ 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: <u> </u> | |
| ☒ Immersion/Soak | ☐ Supercritical Extract | | |

7. Recommended Concentrations: 3-5% Percent Volume (range)

Recommended Temperatures: Jarvis Deg. F (range)

8. Important Physical and Chemical Properties:

Maximum theoretical VOC content: 70%

GWP: 0

ODP: 0

Surface Tension: 32

Kb value: n/a

pH 11.0 Density: 99

HMIS: 0 0 0 Other: