



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)

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1. Product/Trade Name (Please use a separate questionnaire for each cleaning chemical you want listed in the Director's Office): Diversity Duzgaze Generic Chemical Family: Semi-aq. solvent & terpene

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: _____ | ☐ Blasting medium: _____ |
| ☐ Emulsifier: _____ | ☐ Corrosion inhibitor/Rust | ☐ Other: _____ |
| ☐ Saponifier: _____ | ☐ prohihibitor: _____ | |
| ☐ Other: _____ | ☐ Anti-microbial: _____ | |
| ☐ Rinse aid/Silicate: _____ | | |

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: _____ |

4. Contaminant Removal (Check all that apply & specify, if possible)

- | | | | |
|---|--|--|---|
| ☐ Adhesives | ☐ Coatings | ☒ Greases | Example: Coatings <u>Conformal</u> |
| ☐ Buffing/polishing | ☐ Cutting/tapping | ☐ Inks | ☐ Mold releases/ |
| ☐ compounds | ☐ fluids | ☒ Lubricating/ | ☐ Silicones |
| ☒ Carbon deposits | ☐ Fluxes | ☐ lapping oils | ☐ Paints |
| | | | ☐ Resins/Rosins |
| | | | ☐ Rust/Scale |
| | | | ☐ Waxes |
| | | | ☐ 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: <u>Concrete</u> |
| | ☒ Galvanized steel | | ☐ Sterling/silver | |

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>Steam</u> |
| ☒ Immersion/Soak | ☐ Supercritical Extract | |

Recommended Concentrations: 10-20% Percent Volume (range)

Recommended Temperatures: RT-160 Deg. F (range)

Equipment 1:5 - 1:20
Floors 1:20 - 1:50
Steam Clean 1:30 - 1:100

Important Physical and Chemical Properties:

Maximum theoretical VOC content: _____

GWP: _____ Surface Tension: _____

ODP: _____ Kb value: _____

Density: _____

Other: _____

Cost per pound/gallon: _____ Smallest-unit price: _____ Large-volume price: _____ USS

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