



TURI SURFACE CLEANING LABORATORY CLEANING CHEMICAL QUESTIONNAIRE

See letter for submission instructions.

Er

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)
BEYOND-2002®

Generic Chemical Family: None

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/
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 Concentration)

Cleaner Containing:

At Least Some Water (____%)

OR No/Minimal Water

☒ Builder: _____ ☒ Water conditioner/Sequestering/

☒ Surfactant: _____ ☒ Chelating agent: _____

☒ Emulsifier: _____ ☐ Corrosion inhibitor/Rust

☒ Saponifier: _____ ☐ prohihibitor: _____

☐ Other: _____ ☐ Anti-microbial: _____

☒ Rinse aid/Silicate: _____

☐ Blasting medium: _____

☐ Other: _____

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

- | | | | |
|---|---|---|---|
| ☒ Aerospace/Military =1 | ☒ 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)

Example ☒ Coatings Conformal

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

5. Substrate Compatibility (Check all that apply)

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

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

- | | | |
|--|--|--|
| ☒ Cold Solvent | ☒ Mechanical Agitation | ☒ Low Pressure Spray 5 to 150psi psi-ran |
| ☐ Vapor Degreasing | ☒ Ultrasonics | ☒ High Pressure Spray 100 plus psi-ran |
| ☒ Manual Wipe | ☐ Media Blasting | ☐ Other: _____ |
| ☒ Immersion/Soak | ☐ Supercritical Extract | |

7. Recommended Concentrations: 2 to 50% Percent Volume (range)
Recommended Temperatures: Ambient to 145°F. Deg. F (range)

8. Important Physical and Chemical Properties:

Maximum theoretical VOC content: 86 max.

GWP: None

Surface Tension: _____

Density: 1.07

ODP: None

Kb value: _____

Other: _____

9. Cost per pound/gallon: Smallest-unit price: _____ Large-volume price: _____ US

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