



TURI SURFACE CLEANING LABORATORY CLEANING CHEMICAL QUESTIONNAIRE

See letter for submission instructions.

b1

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) Inpro-Clean 1300 Generic Chemical Family: _____

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

Primary Cleaner Classification (Check only one):

- | | | | |
|--|---|--|---|
| <input type="checkbox"/> Acidic Aqueous | <input type="checkbox"/> Semi-Aqueous | <input type="checkbox"/> Powder detergent | <input type="checkbox"/> Extracting |
| <input type="checkbox"/> Neutral Aqueous | <input type="checkbox"/> Terpene | <input type="checkbox"/> Enzymatic/
Microbial | <input type="checkbox"/> HCFC |
| <input checked="" type="checkbox"/> Alkaline Aqueous | <input type="checkbox"/> Petroleum distillate | <input type="checkbox"/> Blasting | <input type="checkbox"/> Alcohol |
| <input type="checkbox"/> Caustic | <input type="checkbox"/> Organic | | <input checked="" type="checkbox"/> Other: <u>non-caustic</u> |

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 |
| <input checked="" type="checkbox"/> Builder: _____ | <input type="checkbox"/> Water conditioner/Sequestering/Chelating agent: _____ | <input type="checkbox"/> Supercritical fluid: _____ |
| <input checked="" type="checkbox"/> Surfactant: _____ | <input type="checkbox"/> Corrosion inhibitor/Rust prohibitor: _____ | <input type="checkbox"/> Blasting medium: _____ |
| <input type="checkbox"/> Emulsifier: _____ | <input type="checkbox"/> Anti-microbial: _____ | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Saponifier: _____ | | |
| <input type="checkbox"/> Other: _____ | | |
| <input type="checkbox"/> Rinse aid/Silicate: _____ | | |

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

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Aerospace/Military | <input type="checkbox"/> Metal Finishing | <input type="checkbox"/> PCBs | <input type="checkbox"/> Semiconductors |
| <input checked="" type="checkbox"/> Cleanrooms | <input type="checkbox"/> Metal Fabrication | <input type="checkbox"/> Plastics | <input checked="" type="checkbox"/> General Cleaning (floors, etc.) |
| <input type="checkbox"/> Basic Electronics | <input type="checkbox"/> Optics | <input type="checkbox"/> Precision Instruments | <input type="checkbox"/> Maint./Repair (engines, etc.) |
| <input type="checkbox"/> Medical | <input type="checkbox"/> Painting | <input type="checkbox"/> Printing | <input type="checkbox"/> Other: _____ |

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

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> Adhesives | <input type="checkbox"/> Coatings | <input checked="" type="checkbox"/> Greases | Example <input checked="" type="checkbox"/> Coatings <u>Conformal</u> |
| <input type="checkbox"/> Buffing/polishing compounds | <input checked="" type="checkbox"/> Cutting/tapping fluids | <input type="checkbox"/> Inks | <input type="checkbox"/> Mold releases/Silicones |
| <input type="checkbox"/> Carbon deposits | <input type="checkbox"/> Fluxes | <input checked="" type="checkbox"/> Lubricating/lapping-oils | <input type="checkbox"/> Paints |
| | | | <input type="checkbox"/> Resins/Rosins |
| | | | <input checked="" type="checkbox"/> Other: <u>drawing compound</u> |

5. Substrate Compatibility (Check all that apply)

- | | | | | |
|---|---|---|--|---------------------------------------|
| <input checked="" type="checkbox"/> Aluminum | <input type="checkbox"/> Carbon steel | <input type="checkbox"/> Glass/quartz | <input type="checkbox"/> Rubber | <input type="checkbox"/> Nickel |
| <input checked="" type="checkbox"/> Alloys (Specify): <u>many discolor aluminum</u> | <input type="checkbox"/> Ceramics | <input type="checkbox"/> Gold | <input type="checkbox"/> Stainless steel | <input type="checkbox"/> Tin |
| <input type="checkbox"/> Brass <u>FCupron</u> | <input type="checkbox"/> Copper | <input type="checkbox"/> Plastic (Specify): _____ | <input type="checkbox"/> Steel | <input type="checkbox"/> Other: _____ |
| | <input type="checkbox"/> Galvanized steel | | <input type="checkbox"/> Sterling/silver | |

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

- | | | |
|---|--|---|
| <input type="checkbox"/> Cold Solvent | <input checked="" type="checkbox"/> Mechanical Agitation | <input checked="" type="checkbox"/> Low Pressure Spray _____ psi-range |
| <input type="checkbox"/> Vapor Degreasing | <input type="checkbox"/> Ultrasonics | <input checked="" type="checkbox"/> High Pressure Spray _____ psi-range |
| <input type="checkbox"/> Manual Wipe | <input type="checkbox"/> Media Blasting | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Immersion/Soak | <input type="checkbox"/> Supercritical Extract | |

7. Recommended Concentrations: 5-10% Percent Volume (range)

Recommended Temperatures: 100-160 Deg. F (range)

> Depends on operating parameters
* See Process Instructions

8. Important Physical and Chemical Properties:

Maximum theoretical VOC content: _____
GWP: _____ Surface Tension: _____ Density: _____
ODP: _____ 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: