



TURI SURFACE SOLUTIONS LABORATORY
CLEANING PRODUCT QUESTIONNAIRE

Material Safety Data Sheet (MSDS) and Technical Data Sheet (TDS)

MUST Be Attached

Use a SEPARATE questionnaire for each product you want entered in database.

1. Vendor Name: Alpha Chemical Services 2. Product/Trade Name Liquid Machine Dish

3. Major filed of cleaning (Check one): Parts [ ] Precision [ ] Janitorial/Facility [ ]

4. Specified Standard(s): [ ] ASTM: [ ] [ ] Mil Specs: [ ] [ ] FDA: [ ] [X] Other: DfE Performance Testing

5. Important Physical and Chemical Properties - Boxed items MUST be filled in for product to be in database:

VOC (g/l): 0 NFPA rating: H 1 F 0 R 0 Surface Tension: [ ]
Global Warming Potential: 0 HMIS rating: H 1 F 0 R 0 Density: [ ]
Ozone Depletion Potential: 0 pH: 9.45 Kb value: [ ]

6. Primary Cleaner Classification (Check only one):

[ ] Acidic Aqueous [ ] Semi-Aqueous [ ] Powder detergent [ ] Extracting
[ ] Neutral Aqueous [ ] Terpene [ ] Enzymatic/ Microbial [ ] HCFC
[X] Alkaline Aqueous [ ] Petroleum distillate [ ] Blasting [ ] Alcohol
[ ] Caustic [ ] Organic [ ] Other: [ ]

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

Cleaner Containing: [ ] At Least Some Water 64% OR [ ] No Water

[X] Builder: [ ] [X] Rinse aid/Silicate: [ ] [ ] Anti-microbial: [ ]
[X] Surfactant: [ ] [X] Water conditioner/Sequestering/ [ ] [ ] Supercritical fluid: [ ]
[ ] Emulsifier: [ ] Chelating agent: [ ] [ ] Blasting medium: [ ]
[ ] Saponifier: [ ] [ ] Corrosion/Rust inhibitor: [ ] [ ] Other: [ ]

8. Industrial Applications (Check all that applies, Circle Most Used)

[ ] Aerospace [ ] Medical [ ] Optics [ ] Printing
[ ] Cleanrooms [ ] Metal Finishing [ ] Paint removal [ ] Semiconductors
[ ] Basic Electronics [ ] Metal Fabrication [ ] Plastics [X] Other1: Dishwashing
[ ] Janitorial Cleaning [ ] Military [ ] Precision Instruments [ ] Other2: [ ]
[ ] Maintenance/Repair (engines, etc.) [ ] Printed Circuit Boards [ ] Other3: [ ]

9. Contaminant Removal (Check all that applies)

[ ] Adhesives [ ] Fluxes [ ] Paints [ ] Oil -cutting/tapping fluids or lubricants
[ ] Buffing/polishing [ ] Greases [ ] Resins Silicones [ ] Waxes
[ ] Carbon deposits [ ] Inks [ ] Rosins [ ] Other1: [ ]
[ ] Coatings [ ] Mold releases [ ] Rust/Scale [ ] Other2: [ ]

10. Substrate Compatibility (Check all that applies)

[X] Aluminum [X] Glass [X] Plastic [ ] Silver
[X] Brass [X] Gold [X] Rubber [ ] Tin
[ ] Ceramics [ ] Fiberglass [X] Stainless steel [ ] Titanium
[X] Copper [X] Nickel [ ] Steel - carbon, galvanized, etc [ ] Other1: [ ]
[ ] Alloys (Specify): [ ] [ ] Other2: [ ]

11. Equipment Compatibility (Check all that applies)

[ ] Cold Solvent [ ] Media Blasting [ ] Ultrasonic
[ ] Immersion/Soak [X] Spray Washer Low (psi-range [ ]) [ ] Vapor Degreasing
[ ] Manual Wipe [X] Spray Washer High (psi-range [ ]) [ ] Other1: [ ]
[ ] Mechanical Agitation [ ] Supercritical Extraction [ ] Other2: [ ]

12. Recommended Concentrations: % Volume range: 0.3 Temperatures: Deg. F range: 140-160

13. Cost per pound/gallon: Smallest-unit price: 1.00 US\$ Large-volume price: 1.00 US\$

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

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