



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: BIONIQS 2. Product/Trade Name Ionic Liquid; ABBF-165

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

4. Specified Standard(s): ASTM: Mil Specs: FDA: Other:

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

VOC (g/l): NFPA rating: H F R Surface Tension:
Global Warming Potential: HMIS rating: H F R Density: 0.91
Ozone Depletion Potential: pH: Kb value:

6. 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:

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

Cleaner Containing: At Least Some Water % OR No Water

- Builder: Rinse aid/Silicate: Anti-microbial:
Surfactant: 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 Other1:
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)

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

11. Equipment Compatibility (Check all that applies)

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

12. Recommended Concentrations: % Volume range: Temperatures: Deg. F range:

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

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

Full Name: N,N-Dimethylethanolammonium decanoate