



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 LTD 2. Product/Trade Name Ionic Liquid: ABBF-390

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: 1.40
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)

- [x] Adhesives [x] Fluxes [x] Paints [x] Oil -cutting/tapping fluids or lubricants
[x] Buffing/polishing [x] Greases [x] Resins Silicones [ ] Waxes
[x] Carbon deposits [x] Inks [x] Rosins [ ] Other1: [ ]
[x] Coatings [x] 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 bis(trifluoromethanesulfonyl)amide