



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: AZ3Z3Z3-006**

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): <input type="text"/>	NFPA rating: H <input type="text"/> F <input type="text"/> R <input type="text"/>	Surface Tension: <input type="text"/>
Global Warming Potential: <input type="text"/>	HMIS rating: H <input type="text"/> F <input type="text"/> R <input type="text"/>	Density: <input type="text"/> 0.81
Ozone Depletion Potential: <input type="text"/>	pH: <input type="text"/>	Kb value: <input type="text"/>

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

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

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

<input type="checkbox"/> Aerospace	<input type="checkbox"/> Medical	<input type="checkbox"/> Optics	<input type="checkbox"/> Printing
<input type="checkbox"/> Cleanrooms	<input type="checkbox"/> Metal Finishing	<input type="checkbox"/> Paint removal	<input type="checkbox"/> Semiconductors
<input type="checkbox"/> Basic Electronics	<input type="checkbox"/> Metal Fabrication	<input type="checkbox"/> Plastics	<input type="checkbox"/> Other1: <input type="text"/>
<input type="checkbox"/> Janitorial Cleaning	<input type="checkbox"/> Military	<input type="checkbox"/> Precision Instruments	<input type="checkbox"/> Other2: <input type="text"/>
<input type="checkbox"/> Maintenance/Repair (engines, etc.)	<input type="checkbox"/> Printed Circuit Boards	<input type="checkbox"/> Other3: <input type="text"/>	

9. Contaminant Removal (Check all that applies)

<input checked="" type="checkbox"/> Adhesives	<input checked="" type="checkbox"/> Fluxes	<input checked="" type="checkbox"/> Paints	<input checked="" type="checkbox"/> Oil -cutting/tapping fluids or lubricants
<input checked="" type="checkbox"/> Buffing/polishing	<input checked="" type="checkbox"/> Greases	<input checked="" type="checkbox"/> Resins Silicones	<input type="checkbox"/> Waxes
<input checked="" type="checkbox"/> Carbon deposits	<input checked="" type="checkbox"/> Inks	<input checked="" type="checkbox"/> Rosins	<input type="checkbox"/> Other1: <input type="text"/>
<input checked="" type="checkbox"/> Coatings	<input checked="" type="checkbox"/> Mold releases	<input type="checkbox"/> Rust/Scale	<input type="checkbox"/> Other2: <input type="text"/>

10. Substrate Compatibility (Check all that applies)

<input type="checkbox"/> Aluminum	<input type="checkbox"/> Glass	<input type="checkbox"/> Plastic	<input type="checkbox"/> Silver
<input type="checkbox"/> Brass	<input type="checkbox"/> Gold	<input type="checkbox"/> Rubber	<input type="checkbox"/> Tin
<input type="checkbox"/> Ceramics	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Stainless steel	<input type="checkbox"/> Titanium
<input type="checkbox"/> Copper	<input type="checkbox"/> Nickel	<input type="checkbox"/> Steel – carbon, galvanized, etc	<input type="checkbox"/> Other1: <input type="text"/>
<input type="checkbox"/> Alloys (Specify): <input type="text"/>			<input type="checkbox"/> Other2: <input type="text"/>

11. Equipment Compatibility (Check all that applies)

<input type="checkbox"/> Cold Solvent	<input type="checkbox"/> Media Blasting	<input type="checkbox"/> Ultrasonic
<input type="checkbox"/> Immersion/Soak	<input type="checkbox"/> Spray Washer Low (psi-range <input type="text"/>)	<input type="checkbox"/> Vapor Degreasing
<input type="checkbox"/> Manual Wipe	<input type="checkbox"/> Spray Washer High (psi-range <input type="text"/>)	<input type="checkbox"/> Other1: <input type="text"/>
<input type="checkbox"/> Mechanical Agitation	<input type="checkbox"/> Supercritical Extraction	<input type="checkbox"/> Other2: <input type="text"/>

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: Triisobutylammonium hexanoate