TURI SURACE CLEANING LABORATORY
CLEANING CHEMICAL QUESTIONNAIRE
See letter for submission instructions.

B1

Material Safety Data Sheet (MSDS) MUST Be Attached (and Technical Data Sheet, if availab

Product/Trade Name (Please use a **separate** questionnaire for each cleaning chemical you want listed in the Director
Det-o-Jet Generic Chemical Family: _____
eets Specified Standard(s): ASTM: _____ Mil Spec: _____ FDA: yes Other: _____

imary Cleaner Classification (Check only one):

- ☐ Acidic Aqueous
- ☐ Neutral Aqueous
- ☑ Alkaline Aqueous
- ☐ Caustic
- ☐ Semi-Aqueous
- ☐ Terpene
- ☐ Petroleum distillate
- ☐ Organic
- ☐ Powder detergent
- ☐ Enzymatic/ Microbial
- ☐ Blasting
- ☐ Extracting
- ☐ HCFC
- ☐ Alcohol
- ☐ Other: _____

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

leaner Containing: **At Least Some Water (_____%)** **OR No/Minimal Water**

- ☑ Builder: _____
- ☑ Surfactant: _____
- ☑ Emulsifier: _____
- ☑ Saponifier: _____
- ☐ Other: _____
- ☑ Rinse aid/Silicate: _____
- ☑ Water conditioner/Sequestering/ Chelating agent: _____
- ☑ Corrosion inhibitor/Rust prohibitor: _____
- ☐ Anti-microbial: _____
- ☐ Supercritical fluid: _____
- ☐ Blasting medium: _____
- ☐ Other: _____

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

- ☑ Aerospace/Military
- ☑ Cleanrooms
- ☑ Basic Electronics
- ☐ Medical
- ☑ Metal Finishing
- ☑ Metal Fabrication
- ☑ Optics
- ☐ Painting
- ☐ PCBs
- ☐ Plastics
- ☐ Precision Instruments
- ☐ Printing
- ☐ Semicondoctors
- ☐ General Cleaning (floors, etc
- ☐ Maint./Repair (engines, etc.)
- ☐ Other: _____

4. Contaminant Removal (Check all that apply & specify, if possible) Example ☒ Coatings *Conformal*

- ☐ Adhesives
- ☑ Buffing/polishing compounds
- ☐ Carbon deposits
- ☑ Coatings
- ☐ Cutting/tapping fluids
- ☑ Fluxes
- ☑ Greases
- ☑ Inks
- ☑ Lubricating/ lapping oils
- ☐ Mold releases/ Silicones
- ☐ Paints
- ☑ Resins/Rosins
- ☐ Rust/Scale
- ☑ Waxes
- ☐ Other: _____

5. Substrate Compatibility (Check all that apply)

- ☐ Aluminum
- ☐ Alloys (Specify): _____
- ☐ Brass
- ☐ Carbon steel
- ☒ Ceramics
- ☐ Copper
- ☐ Galvinized steel
- ☑ Glass/quartz
- ☐ Gold
- ☑ Plastic (Specify): Alkali resistant
- ☐ Rubber
- ☒ Stainless steel
- ☐ Steel
- ☐ Sterling/silver
- ☐ Nickel
- ☐ Tin
- ☑ Other: Glass

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

- ☐ Cold Solvent
- ☐ Vapor Degreasing
- ☑ Manual Wipe
- ☑ Immersion/Soak
- ☑ Mechanical Agitation
- ☒ Ultrasonics
- ☑ Media Blasting
- ☐ Supercritical Extract
- ☑ Low Pressure Spray _____ psi-ran
- ☑ High Pressure Spray _____ psi-ran
- ☐ Other: _____

7. Recommended Concentrations: 1/2-1 % Percent Volume (range)
Recommended Temperatures: 70-190 Deg. F (range)

8. Important Physical and Chemical Properties:
Maximum theoretical VOC content: 0% Surface Tension: 55 Dyne/cm Density: 1.30 g/mL
GWP: 0 Kb value: not relevant - not a solvent Other: _____
ODP: 0 Large-volume price: $17.32/gal

9. Cost per pound/gallon: Smallest-unit price: $23.75/gal

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

TOXICS USE REDUCTION INSTITUTE

THE MASSACHUSETTS TOXICS USE REDUCTION INSTITUTE

TECHNOLOGY TRANSFER CENTER
Solvent Alternatives Questionnaire

The Technology Transfer Center sends product information to industries that are interested in toxics use reduction projects. Along with this questionnaire, please send us an information sheet on each of your products in an 8-1/2" x 11" format that we can photocopy and distribute.

Please complete a questionnaire for each product.

Trade Name of Product DET-O-JET

Company Name Alconox, Inc.

Address 9 E. 40th St NY NY 10016

Telephone 212 532-4040 Fax number 212 532-4301

Contact person Malcolm McLaughlin

1. What is the classification of your cleaning product?

- ☐ Saponified Aqueous
- ☐ Semi-Aqueous
- ☐ Mechanical Agitation
- ☐ Terpenes
- ☐ Other (please specify):
- ☑ Alkaline Aqueous Solutions
- ☐ Acidic Aqueous Solutions
- ☐ Hot Water/Steam
- ☐ Petroleum Distillates

2. Give a Chemical/Generic description of your product.

Liquid, Alkaline, Machine Detergent.

3. Is there a recommended process or type of equipment associated with this product? If so, please describe it.

Spraywashers, Cart Washers, dishwashers, washer sanitizers, pressure washers., etal.

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4. What contaminants is your product most effective in removing?

Heavy Contamination of soil, dirt, grime, grease, tars, resins, fats, oils, blood, inorganic residues & solvents.

5. Is there a separation process associated with using this cleaning solution?

No.

6. What concentration of cleaning solution is typically used?

1% (1¼ oz/gal water)

7. What is the soil loading capacity of your cleaner?

Depend on Soil, Concentration & tops.

8. Is your product designed to be recycled? If so, how is it recycled?

No.

9. What is the cost of your cleaner?

Approx: $22.50/gal - This gal will make ≈ 100 gal solution

10. Is there a charge or credit for returning recycled product?

Check w/ manufacturer

11. Please include an MSDS and any other information that would assist potential customers in evaluating the applicability of your product to their needs (e.g., typical process flow diagram, wastestream constituents, special handling requirements).