



TURI SURFACE CLEANING LABORATORY CLEANING CHEMICAL QUESTIONNAIRE

See letter for submission instructions.

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

1. Product/Trade Name (Please use a **separate** questionnaire for each cleaning chemical you want listed in the Directory)

Citeanox

Generic Chemical Family: _____

Meets Specified Standard(s): ASTM: _____ Mil Spec: _____ FDA: ☒ Other: USDA

Primary Cleaner Classification (Check only one):

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

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

Cleaner Containing:

At Least Some Water (n/a %)

OR No/Minimal Water

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

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

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

4. Contaminant Removal (Check all that apply & specify, if possible)

Example : Coatings Conformal

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

5. Substrate Compatibility (Check all that apply)

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

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

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

7. Recommended Concentrations: 1-2% Percent Volume (range) _____

Recommended Temperatures: Waters Deg. F (range) _____

8. Important Physical and Chemical Properties:

Maximum theoretical VOC content: 0

GWP: 0

ODP: 0

Surface Tension: 32

Kb value: n/a

pH 2.5 Density: 1.10

HMIS: 0 0 0 Other: _____