



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)

Safe Strip (Paint Solvent) Generic Chemical Family:

N-Methyl-2-Pyrrolidone

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

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: <u>aprotic</u> |

biodegradable

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

Cleaner Containing:

At Least Some Water (_____ %)

OR No Water

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

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

- | | | | |
|--|--|--|--|
| ☒ Aerospace/Military 2 | ☐ Metal Finishing | ☐ PCBs | ☐ Semiconductors |
| ☐ Cleanrooms | ☐ Metal Fabrication | ☐ Plastics | ☐ General Cleaning (floors, etc.) |
| ☐ Basic Electronics | ☐ Optics | ☐ Precision Instruments | ☐ Maint./Repair (engines, etc.) |
| ☐ Medical | ☒ Painting 1 | ☐ Printing | ☐ Other: _____ |

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

- | | | | |
|---|---|---------------------------------------|---|
| ☒ Adhesives | ☒ Coatings | ☐ Greases | Example ☒ Coatings <u>Conformal</u> |
| ☒ Buffing/polishing | ☒ Cutting/tapping | ☐ Inks | ☐ Mold releases/ |
| compounds | fluids | ☐ Lubricating/ | Silicones |
| ☒ Carbon deposits | ☒ Fluxes | lapping oils | ☒ Rust/Scale |
| | | | ☒ Waxes |
| | | | ☐ Oil |
| | | | ☐ Other: _____ |

5. Substrate Compatibility (Check all that apply)

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

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: Use un-diluted, as is Percent Volume (range) _____

Recommended Temperatures: 140-150-F Deg. F (range) _____

8. Important Physical and Chemical Properties:

Maximum theoretical VOC content: 995 g/l

GWP: N/A

Surface Tension: _____

pH N/A Density: 3

ODP: N/A

Kb value: _____

HMIS: 2 2 0 Other: _____

per pound/gallon: Smallest-unit price: 4x1 gallons \$178.00 each box Large-volume price: 55-
in drums \$1,897.50 per drum **US\$**
Additional pertinent information not found elsewhere on this form or MSDS: *There are price breaks for all packaging sizes*