

SURFACE CLEANING LABORATORY—CLEANING CHEMICAL QUESTIONNAIRE

Company Name: **EMKAY Chemical Co**

Product Name: **Safety Wash**

Meets Specified Standard(s): ASTM: MIL Spec: FDA: Other Standards:

Primary 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 Classification:

Chemical Constituents (Check all that apply and Specify)

Cleaner Containing:

Builder: **Y**

Surfactant: **Nonionic**

Emulsifier:

Saponifier:

Rinse Aid/Silicate:

At Least Some Water (___%)

Water Conditioner/Sequestering/Chelating Agent:

Corrosion Inhibitor/ Rust Prohibitor:

Anti-Microbial:

OR No/Minimal Water

Supercritical Fluid:

Blasting Media:

Other Constituents:

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

- | | | | |
|-----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|
| <input checked="" type="checkbox"/> 1 Aerospace/Military: | <input checked="" type="checkbox"/> 1 Metal Finishing: | <input type="checkbox"/> Printed Circuit Boards: | <input type="checkbox"/> Semiconductors: |
| <input type="checkbox"/> Cleanrooms: | <input checked="" type="checkbox"/> 1 Metal Fabrication: | <input type="checkbox"/> Plastics: | <input checked="" type="checkbox"/> 1 General Cleaning: |
| <input type="checkbox"/> Basic Electronics: | <input type="checkbox"/> Optics: | <input type="checkbox"/> Precision Instruments: | <input checked="" type="checkbox"/> 1 Maint/Repair: |
| <input type="checkbox"/> Medical: | <input type="checkbox"/> Painting: | <input type="checkbox"/> Printing: | Other Applications: <input type="checkbox"/> |

Contaminant Removal (Check all that apply and specify, if possible)

- | | | | | |
|------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------|
| <input checked="" type="checkbox"/> Adhesive | <input checked="" type="checkbox"/> Coatings | <input checked="" type="checkbox"/> Greases | <input checked="" type="checkbox"/> Mold Releases/Silicones | <input type="checkbox"/> Rust/Scale |
| <input type="checkbox"/> Buffing/Polishing Compounds | <input checked="" type="checkbox"/> Cutting/Tapping Fluids | <input type="checkbox"/> Inks | <input type="checkbox"/> Paints | <input type="checkbox"/> Waxes |
| <input type="checkbox"/> Carbon Deposits | <input type="checkbox"/> Fluxes | <input checked="" type="checkbox"/> Lubricating/Lapping Oils | <input type="checkbox"/> Resins/Rosins | Other Contaminants: <input type="checkbox"/> |

Substrate Compatibility (Check all that apply)

- | | | | | |
|------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> Aluminum | <input checked="" type="checkbox"/> Carbon Steel | <input checked="" type="checkbox"/> Glass/Quartz | <input type="checkbox"/> Rubber | <input checked="" type="checkbox"/> Nickel |
| <input checked="" type="checkbox"/> Alloys Specify: <input type="checkbox"/> | <input checked="" type="checkbox"/> Ceramics | <input checked="" type="checkbox"/> Gold | <input checked="" type="checkbox"/> Stainless Steel | <input checked="" type="checkbox"/> Tin |
| <input checked="" type="checkbox"/> Brass | <input checked="" type="checkbox"/> Copper | <input checked="" type="checkbox"/> Plastic Specify: <input type="checkbox"/> | <input checked="" type="checkbox"/> Steel | Other Substrate: <input type="checkbox"/> |
| | <input checked="" type="checkbox"/> Galvanized Steel | | <input type="checkbox"/> Sterling/Silver | |

Equipment Compatibility (Check all that apply Specify, if applicable)

- | | | | |
|----------------------------------------------------|------------------------------------------------|---------------------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> Cold Solvent | <input type="checkbox"/> Mechanical Agitation | <input checked="" type="checkbox"/> Low Pressure Spray | Other Equipment: <input type="checkbox"/> |
| <input type="checkbox"/> Vapor Degreasing | <input type="checkbox"/> Ultrasonics | <input checked="" type="checkbox"/> High Pressure Spray | |
| <input checked="" type="checkbox"/> Manual Wipe | <input type="checkbox"/> Media Blasting | High-Low Pressure Range: <input type="checkbox"/> psi | |
| <input checked="" type="checkbox"/> Immersion/Soak | <input type="checkbox"/> Supercritical Extract | | |

Recommended Concentrations: Percent Volume (range)

Recommended Temperatures: Deg. F (range)

Important Physical and Chemical Properties:

Maximum Theoretical VOC content **<1%**

Global Warming Potential:

Ozone Depletion Potential:

Cost per pound/gallon:

Surface Tension:

Kb value:

Density: **1.0 sp gr**

Other Characteristics:

Additional Information:

A1

Use a separate questionnaire for each cleaning chemical you want listed in the Directory.

MSDS sheets and any technical data sheets must be submitted.