

SURFACE CLEANING LABORATORY--CLEANING CHEMICAL QUESTIONNAIRE

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

MSDS sheets and any technical data sheets must be submitted.

Company Name: New Pig Corporation

Product Name: Hoofmark Industrial Cleaner

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

Primary Cleaner Classification (Check only one)

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidic Aqueous | <input type="checkbox"/> Semi-Aqueous | <input type="checkbox"/> Powder Detergent | <input type="checkbox"/> HCFC |
| <input type="checkbox"/> Neutral Aqueous | <input type="checkbox"/> Terpene | <input type="checkbox"/> Enzymatic/Microbial | <input type="checkbox"/> Alcohol |
| <input type="checkbox"/> Alkaline Aqueous | <input type="checkbox"/> Petroleum Distillate | <input type="checkbox"/> Blasting | Other Classification: <u> </u> |
| <input type="checkbox"/> Caustic | <input type="checkbox"/> Organic | <input type="checkbox"/> Extracting | |

Chemical Constituents (Check all that apply and Specify)

Cleaner Containing:

Builder: KOH
 Surfactant:
 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: D-limonene

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

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

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

- | | | | | |
|---|---|--|--|--|
| <input type="checkbox"/> Adhesive | <input type="checkbox"/> Coatings | <input checked="" type="checkbox"/> Greases | <input 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: <u>dirt, grime</u> |

Substrate Compatibility (Check all that apply)

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

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

- | | | | |
|---|--|--|------------------|
| <input type="checkbox"/> Cold Solvent | <input checked="" type="checkbox"/> Mechanical Agitation | <input checked="" type="checkbox"/> Low Pressure Spray | Other Equipment: |
| <input type="checkbox"/> Vapor Degreasing | <input type="checkbox"/> Ultrasonics | <input type="checkbox"/> High Pressure Spray | <u>Steam</u> |
| <input type="checkbox"/> Manual Wipe | <input type="checkbox"/> Media Blasting | High-Low Pressure Range: <u> </u> psi | |
| <input 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 3 gm/l

Global Warming Potential:

Ozone Depletion Potential:

Cost per pound/gallon:

Surface Tension:

Kb value:

Density: 1.019gm/l

Other Characteristics:

Additional Information: bio-degradable, aqueous and ready to use