

**Adsil, Inc.****TECHNICAL DATA SHEET TS-45****MicroKleen™ Industrial Cleaner & Degreaser PLC-1**

**DESCRIPTION:** MicroKleen™ PLC-1 is a concentrate formula, which provides deep penetrating and lifting action for removal of tough surface contaminants. With its penetrating and cleaning action, it is effective on oily residues, surface soiling contaminants and mold spores. This innovative cleaner contains a unique blend of highly active components, which are very effective for most general cleaning purposes. For maximum efficiency, this concentrate formula should be diluted with clean, hot water before use.

- HVAC/R Coils
- Hard Tile & Terrazzo
- Concrete & Pavers
- Non-ferrous Metals
- Stainless Steel
- Pre-finished Siding

MicroKleen™ PLC-1 is an effective surface preparation cleaner for numerous interior and exterior surfaces; HVAC/R coils & cabinets, ceramic tile, terrazzo, concrete, aluminum, copper, brass, bronze, stainless steel, painted surfaces, etc; PLC-1 is also an excellent cleaner for the post maintenance cleaning of MicroGuard® clear protective treatments.

**DILUTION:** MicroKleen™ PLC-1 is packaged in one gallon and five gallon containers as a concentrate formula. Dilution with clean, hot water is recommended, according to the following schedule:

- HVAC/R Coils & Cabinets** – 1 part PLC-1 to 1 part water
- Ceramic Tile & Grout** – 1 part PLC-1 to 1 part water
- Concrete or Epoxy Terrazzo** – 1 part PLC-1 to 1 part water
- Mold & Mildew Spores** – 1 part PLC-1 to 5 parts water & 1 part bleach
- Polished Metal & Bright Works** – 1 part PLC-1 to 20 parts water
- Un-polished Non-ferrous Metals** – 1 part PLC-1 to 1 part water
- Painted Surfaces** – 1 part PLC-1 to 20 parts water
- Fiberglass Gel Coat** – 1 part PLC-1 to 5 parts water
- Post Cleaning MicroGuard® Clears** – 1 part PLC-1 to 20 parts water

These dilution ratios are good benchmark “rules of thumb”, based on extensive field applications. For very tough cleaning requirements, dilution rates can be altered accordingly and the addition of hot water (up to 175<sup>0</sup> F. maximum) will increase the cleaning efficiencies of MicroKleen™ PLC-1. **Exercise caution** when working with hot water and MicroKleen™ PLC-1 solutions. Always wear protective glasses and latex gloves.

**NOTE:** Always try the diluted cleaner on a small, inconspicuous area to determine the dilution ratio is correct for the cleaning requirement. Never exceed 1:1 dilution strength.

**DIRECTIONS FOR USE:** Apply MicroKleen™ PLC-1 by low-pressure spray or in the case of floor applications, by flooding the cleaner onto the surface. Allow the MicroKleen™ PLC-1 to ‘work’ for 3 to 5 minutes; then use mechanical agitation, such as a swing machine with a black pad or clean-grit brush in combination with MicroKleen™ PLC-1. For smaller flooring surfaces the use of a scrub brush mounted on an extension handle can be used. Pick up residue with rinse & vacuum reclaim equipment. Repeat the process as necessary until the surface is clean and free from all contaminants.

MicroKleen™ PLC-1 can also be injected into a pressure washer. This method is ideal for large exterior vertical or horizontal surfaces. Follow cleaning procedure with a thorough clean water rinse.

**Bright Works** – For cleaning bright work non-ferrous or stainless steel, flush the PLC-1 cleaner onto the surface using a hand held atomizing bottle or low-pressure spray. Scrub the metal with a non-aggressive Scotch Brite® pad with the grain and rinse with clean water. If the water sheets off the surface with no visual sign of beading water, the surface is clean. If water beads on the surface, repeat the cleaning process. Rinse water should uniformly sheet from the surface if it is free from contaminants. Wipe surfaces with a MicroFiber® Cloth wetted with MicroKleen™ AD1-919 isopropanol to remove water spots. *Allow the surface to dry completely before proceeding to application of protective treatments.*

**JOB SITE SAFETY:** Wear safety glasses and latex gloves when working with this MicroKleen™ product. Always read specific label cautions and MSDS before working with any Adsil products.

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**Advanced Siloxane Technology – Preserve, Prolong, Protect**

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