

## MICRO-CLEAN™ MICROBIAL CLEANER

Micro-Clean is your solution to hazardous, costly Stoddard solvents.

Increasingly, you can ill-afford to continue the use of Stoddard solvents in parts washers and de-greasers. The EPA and other environmental regulatory agencies baby-sit the use of solvents from cradle-to-grave, adding significant cost to the use. This says nothing of the potential liability from long-term employee exposure or environmental contamination. As a result, these solvents are increasingly being regulated out of use. AC Environmental has a solution...Micro-Clean™.

Micro-Clean™ is an aqueous-based, robust microbial blend for removing grease, oil or other hydrocarbon surface contamination in machining, manufacturing, auto repair, concrete cleaning, wash racks, waste traps and a host of other applications. The microbes in Micro-Clean™ feed on the contaminate reducing the surface tension of the grease, oil, fuel, hydraulic fluid or other short- or long-chain hydrocarbons. Spherical droplets are formed and the contamination sheets off of the part. In addition to the microbes, Micro-Clean™ contains d-limonene, a citrus-based extract and natural surfactant.

The microbes in Micro-Clean™ immediately and continually remediate the contaminate with the end result being a non-hazardous blend of a fatty amino acid, water and carbon dioxide. The amino acid remaining on the part minimizes flash rusting.

AC Environmental's attention to customer satisfaction is evident in the thoroughness of our service. AC-ES provides on-site training, service and replenishment. Additionally, AC-ES can provide you with parts washing equipment.

Since 1998, We have been satisfying the needs of a wide-range of customers with innovative, bioscience solutions for manufacturing, agriculture, environmental remediation, oil field production, commercial and residential property management, entertainment and recreation industries.



### THE AC ENVIRONMENTAL SOLUTION

- Eliminates hazardous waste streams
- Minimizes employee exposure to dangerous chemicals & potential long-term health problems
- Reduces exorbitant operating costs associated with use and disposal of conventional solvents
- Minimizes liability exposure resulting from accidental or long-term environmental release
- Start-up & ongoing technical support
- Dedicated customer service
- Cost effective, proven solutions for many applications



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# MICRO-CLEAN™ MICROBIAL CLEANER

## Micro-Clean™ saves money

AC Environmental's Micro-Clean™ eliminates the ever-increasing costs associated with the use, disposal and documentation required by conventional solvents. Employee exposure to toxic chemicals and solvents is alleviated as well as the potential liability and cost of long-term health problems.

## Effective

The microbes in Micro-Clean™ feed on grease, oil, hydraulic fluid, regular or diesel fuel...nearly any short- or long-chain hydrocarbon. Breakdown of these substances begins on contact causing the contaminant to break down and sheet off. What remains on the part is a micro-thin coating of an amino acid that helps minimize flash rusting. Additionally, Micro-Clean™ contains d-limonene, a citrus extract and natural surfactant that aids in solubilizing contaminants.

## Environmentally Friendly, Non-hazardous & Non-flammable

Since Micro-Clean™ is all natural and non-polluting, it minimizes exposure to regulatory scrutiny and possible violations resulting from accidental or extended release. The active microbial population in Micro-Clean™ continues to process grease, oil and other contaminants until the solution is a harmless, non-toxic solution of a fatty amino acid, water and carbon dioxide that can be disposed of through appropriate waste handling methods. Finally, Micro-Clean™ is non-flammable so there are no special storage or handling requirements.

## Comprehensive Service & Support

Micro-Clean™ is backed-up by complete service and support including on-site training, system deployment and replenishment including parts washing systems. Regardless of the size of your operation, from the largest integrated manufacturer to the corner auto repair shop, AC-ES provides the expertise and support for a successful solution.

## Solutions & Satisfaction Focused

Quite simply, AC Environmental focuses on solutions that meet customers' needs in the most effective, environmentally sensitive and cost-conscious manner.

## Experienced

The AC Team is comprised of professionals from a broad range of disciplines including chemistry, microbiology, engineering, environmental geology and marketing and sales. We consistently deploy the resources of the entire Team to develop comprehensive solutions for customers across a wide-range of industries.



### MANY INDUSTRIAL USES

#### Manufacturing

- Machining & milling
- Tools & parts de-greasing
- Oil & water separators
- Wash racks
- Stand-alone parts washers
- Waste traps

#### Auto Repair

- Service bays
- Lube areas
- Car cleaning & detailing
- Wash racks
- Stand-alone parts washers
- Waste traps
- Concrete cleaning

#### Oil & Gas

- Wellheads
- Compressor stations
- Valve fittings
- Tanks
- Refinery equipment

#### Railroad Yards

- Engines
- Switches
- Tracks
- Ballast



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