

# Tergo™ Performance Fluids eGuide

Volume 1, Issue 8

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# The Next Generation of Clean: Tergo™ Performance Fluids

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## The Next Generation of Precision Cleaning is Here

**Tergo™**  
Performance Fluids

### Engineered for Vapor Degreasers

Remove fluxes, lubricants, dust, metal particulate, inks, fingerprints, waxes, binders or other contaminant from electronics and manufactured parts before processing or assembly.

- **Low Viscosity:** Tergo™ fluids permeate into tight spaces and blind holes to flush out soils and leave parts clean and dry
- **High Solvency:** Tergo™ fluids rigorously displace stubborn soils without damaging substrates or flash rusting
- **Sustainable:** Low GWP (Global Warming Potential) and zero ODP (Ozone Depleting Potential) fluids lighten your environmental footprint
- **Excellent Replacements:** Easily replace trichloroethylene (TCE), n-propyl bromide (nPB), benzene, Perchloroethylene (Perc) and methylene chloride
- **Fast Drying:** Won't leave spots or residue
- **Maintenance-Free:** Eliminate the need for acid acceptance testing and scavengers
- **Nonflammable:** Improve facility and worker safety
- **Compliant:** Meet RoHS, HAP, REACH, F-Gas, and SNAP requirements

Available  
only at  
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# Tergo™ in Action: an MCF Success Story

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CASE STUDY



## INDUSTRY

Custom Metal Stamping

## ENVIRONMENT

Over 60,000 sq. feet of production space with highly-trained operators manufacturing and cleaning parts made from a diverse range of materials including steel, aluminum, copper, brass, bronze, foil, gold and nickel.

## CHALLENGE

- Improve worker safety by finding an alternate cleaning solution to the Trichloroethylene (TCE) industrial solvent
- Comply with environmental, health and safety standards
- Maintain compatibility between materials and cleaning fluid without damage to parts

## SOLUTION

- Upgrade to a new, modern vapor degreaser
- Switch to *MicroCare Tergo* Metal Cleaning Fluid

***“The fumes in the facility have been virtually eliminated.”***

Steve Schmidt  
Vice President, LCS Company

## RESULTS

- Improved worker health and safety by switching to *Tergo* Metal Cleaning Fluid
- Reduced or removed environmental regulatory burdens
- Vastly reduced odors throughout the facility
- Retained parts cleanliness standards with no negative impact to materials or coatings
- Solvent and water cost savings



**Tergo™** Performance Fluids  
• Safe • Effective  
• Stable • Affordable

## LCS Company moves to a safer cleaning alternative with support from DGB Sales, Inc. and MicroCare™

### OVERVIEW

Paul Stotts, President and CEO of the LCS Company wanted to update conditions and efficiency in their vapor degreasing department. He spoke with his Vice President, Steve Schmidt about potential ways to improve employee surroundings and the company's impact to the environment. Schmidt contacted Dave Blackstone, vapor degreaser expert and owner of DGB Sales, Inc. Blackstone recommended better solvent options from *MicroCare*. The LCS Company did their research and transitioned to a new vapor degreasing machine from DGB Sales using *MicroCare Tergo* MCF (Metal Cleaning Fluid).



Pictured from the left:  
Dave Blackstone (DGB Sales, Inc.) and Steve Schmidt (LCS Company)



### ABOUT LCS COMPANY

LCS Company manufactures precision electrical and metal stamped, tight tolerance ultra-thin miniature parts, laminations, drawn parts, shims, washers and gears for the industrial, automotive, aerospace, military and food-processing industries. LCS Company is headquartered in a 60,000 square ft. plant in St. Paul, Minnesota and ships products to customers worldwide.



### ABOUT DGB SALES, INC.

DGB Sales, Inc. is a distributor of *MicroCare* Precision Cleaning Fluids and supplier of vapor and aqueous degreasing equipment. They specialize in the design and fabrication of D-line degreasers using advanced technologies for parts cleaning. DGB Sales is located in Minneapolis, MN. Dave Blackstone has been supplying vapor degreasing equipment, parts, service and cleaning fluids to the market for over 35 years.



# The Perfect Combo: Vapor Degreasing & Tergo™ Fluids

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## VAPOR DEGREASING WITH Tergo™ CLEANING FLUIDS

Tergo™ Performance Fluids are specifically engineered for fast, consistent and economical cleaning in vapor degreasers

### STEP 1



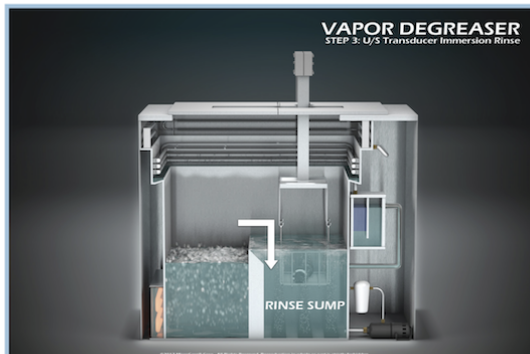
Lower dirty parts through the vapor blanket and into the low-boiling fluid inside the boil sump for cleaning.

### STEP 2



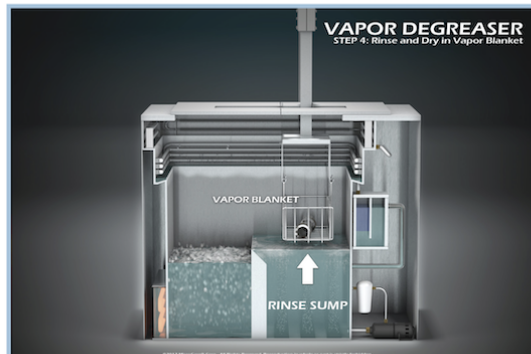
After 2-5 minutes, raise the cleaned parts out of the boil sump and allow them to drain.

### STEP 3



Immerse the cleaned parts into the rinse sump and rinse for 2-10 minutes.

### STEP 4



Remove the rinsed parts from the rinse sump and hold in the vapor blanket to drip and dry.



Recycle & reuse to reduce costs and improve your environmental impact.

Vapor degreasing is a closed-loop system that recycles and reuses the same cleaning fluid for hundreds of hours before final distillation and disposal.

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**Tergo™** Performance Fluids

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# Three Fluids: Three Cleaning Dilemmas Solved

Tergo™ Chlorine-Free Cleaning Fluid (CFCF)

Tergo™ Metal Cleaning Fluid (MCF)

Tergo™ High Performance Flux Remover (HPFR)



## Tergo™ Chlorine-Free Cleaning Fluid (CFCF)

*No chlorine means a safer working environment and better long-term regulatory compliance*

- Two-part co-solvent system for higher temperature cleaning
- Cleans fluxes, greases and waxes from most substrates
- Ideal replacement for nPB or TCE

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[Technical Info](#)

# Three Fluids: Three Cleaning Dilemmas Solved

Tergo™ Chlorine-Free Cleaning Fluid (CFCF)

Tergo™ Metal Cleaning Fluid (MCF)

Tergo™ High Performance Flux Remover (HPFR)

## Tergo™ Metal Cleaning Fluid (MCF)

*Perfect for metal parts cleaning and debinding*

- Cleans the widest variety of metal alloys
- Low Global Warming Potential for environmental sustainability



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## Tergo™ High Performance Flux Remover (HPFR)

*Removes white residue from no-clean fluxes*

- Patented formula combines low boiling cleaning and high-volatility rinsing fluids
- Highly effective in cleaning aged or polymerized (over-heated) fluxes and pastes



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Vapor Degreasing Explained:



How to Replace nPB in Your Cleaning Process:



# Watch & Learn Videos

How to 'Go Green' with Critical Cleaning:



Top 5 Reasons to Switch to a Safer Solvent"



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## Most Popular FAQs:

Are There Any Materials Compatibility Problems with MicroCare Solvents?

How Does the Viscosity of a Solvent Affect My Cleaning Results?

Why Do Heavy, Dense Solvents Clean Better than Lighter Fluids?

How Does the Surface Tension of a Solvent Affect My Cleaning Results?

What Is a 'Kb Value' and What Does It Mean?

How Does the Boiling Point of a Solvent Affect Cleaning Results?

Do MicroCare Solvents 'Turn Acidic' Like Old-Style Cleaners?

Are Vapor Degreasing Solvents Flammable?

## Further Reading:

Your eGuide to nPB and TCE Replacements

Aqueous or Solvent Cleaning Comparison eGuide

Vapor Degreasing Fluids Remove Difficult Lead-Free and No-Clean Fluxes from Modern PCBS

From Harmful Solvents to Modern Sustainable Cleaning Fluids

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