

COMPARATIVE INSIGHTS

Tergo™ SFR and Vertrel™ SFR

High Performance Cleaning



This report presents a technical comparison of product performance conducted by the MicroCare™ Critical Cleaning Lab.

Using validated test methods and controlled laboratory conditions, this evaluation provides objective, data-driven insights into the relative attributes of each formulation.

Results are intended to help engineers, designers and process specialists identify the most effective chemistry for their specific application and performance requirements.

KEY DIFFERENCES

	Tergo™ SFR	Vertrel™ SFR
Fluorinated Components	HFES	HFCs
Cleaning Agents	Trans-1,2-dichloroethylene (tDCE) + Ethanol	Trans-1,2-dichloroethylene (tDCE) + Methanol
Flammability	Nonflammable due to HFES	Nonflammable due to HFCs

FUNCTIONAL ROLES OF INGREDIENTS

Fluorinated Components (HFCs/HFES)

These do not contribute to cleaning. Their primary role is to suppress flammability and help form a stable, nonflammable azeotrope suitable for vapor degreasing.

Trans-1,2-Dichloroethylene (tDCE)

This is the main cleaning agent in both formulations, offering strong solvency for oils, greases and particulates.

Alcohol Content (Methanol vs Ethanol)

Ethanol (in Tergo™ SFR) is safer and more environmentally friendly, though slightly less aggressive.

Methanol (in Vertrel™ SFR) provides aggressive solvency but comes with higher toxicity and regulatory concerns.

TECHNICAL SUMMARY

Creating a blend that is both effective in cleaning and remains nonflammable during vapor degreasing requires a careful balance of these components.

Both the Tergo™ SFR and Vertrel™ SFR are at the high end of solvency available.



LAB SERVICES THAT SOLVE YOUR PROBLEMS

At the heart of the *MicroCare* Critical Cleaning Lab is a team of enthusiastic chemical engineers, chemists and researchers who have the skills and the motivation to help our customers solve their critical cleaning problems. Nobody knows more about critical cleaning. We're eager to help you clean better, faster, more safely and more economically.



ON-SITE CLEANING AUDITS

Demos with your team to showcase proper cleaning processes and potential results.



IN-LAB CLEANING TRIALS

Trials are conducted on your parts and contamination to ensure you get the most effective cleaning.



DETAILED CLEANING RECOMMENDATIONS

To ensure the combination of the hardware, the solvent and the process is perfect for each critical cleaning.



INNOVATIVE PRODUCTS

BETTER, FASTER, SAFER

MicroCare offers the industry's most extensive range of critical cleaning fluids, lubricants and coatings.

Everything you need to achieve perfectly clean, high-performing parts at the lowest cost per part.



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