

## **Solvents For In-Vacuum Lubricants**

ye's family of solvents was developed to provide the full spectrum of cleaning or plating requirements for NyeTorr® and NyeClean® lubricants.

**Fluorosolvent 504** is a completely fluorinated, fast-evaporating "ozone-safe" solvent consisting of blended fluorinated alkanes. This solvent is effective as a dispersion and/or a cleaning agent for fluorinated (PFPE) and ADE oils and greases. Fluorosolvent 504 is a good choice for critical clean applications. Lab tests have indicated that residue levels in this solvent are < 1 ppm. Fluorosolvent 504 is a clear, colorless, chemically stable and non flammable solvent.

NyeSolv™ 505 is a non-polar solvent that is recommended for use with MAC, PAO or Ester base lubricants. This solvent has been specifically developed for cleaning and/or plating parts with NyeTorr® and NyeClean® lubricants. This is also an effective pre-cleaner, for removing rust proctectants and contaminants from parts prior to lubrication. NyeSolv 505 is a flammable solvent, however for applications that require environmentally friendly non-flammable solvent, Fluorosolvent 504 could be substituted.\*

Base Oil Chemistries	Fluorosolvent 504	NyeSolv 505
	Ozone Safe	Flammable
Polyalphaolefin (PAO)	0	•
Multiply Alkylated Cyclopentanes (MAC)	0	•
Alkylated Diphenyl Ether (ADE)	<b>①</b>	0
Synthetic Ester	0	0
Perfluoropolyether (PFPE)	•	•
*MAC, PAO and Ester not fully miscible in Fluorosolvent 504		Good Fair OPoor

## **Cleaning with Nye Solvents**

To expedite the cleaning process, residual lubricant should be wiped from the part using lintless tissues. Cloths rags should be avoided when possible to prevent fiber contamination. Parts can then be place in an ultrasonic filled with clean solvent. High frequency sound waves from the ultrasonic agitate the solvent to penetrate recesses in the parts. The solvent should be change frequency. Care should be taken to avoid using the same ultrasonic to clean lubricants with different chemistry, silicones for example, should be avoided. Using the same ultrasonic to clean lubricants with different chemistry, silicones for example, should be avoided.

If an ultrasonic is not available, spraying the part with solvent or using a quality brush on a part immersed in solvent are two alternative cleaning options. All parts should be rinsed in clean solvent as the final step.

