



PRESS RELEASE
January 6, 2004



PICO Chemical Corporation announces a new synthetic coolant for high pressure systems to minimize foam generation. The unique chemistry of **PICOCOOL 5254** was primarily developed to meet the growing demand for non-foaming products in modern machining centers, especially those systems with small sump capacities that deliver coolants under high pressure and delivery volumes.

These systems readily entrain air into the coolant, thus stimulating their surface active agents into unacceptable high foam levels. Typical chemical defoamers built into the product or added sump side can be overwhelmed by high system turbulence. The defoamers can also produce down stream contamination problems. Excessive foam causes less coolant to penetrate the working interface of tooling and the metal's surface thus reducing cooling and lubrication. Heavy foaming can also cause the coolant to overflow reservoirs creating housekeeping issues and can eventually be lost into the waste treatment system.

PICOCOOL 5254 eliminates these problems by not allowing foam to be created despite high pressure and air entrainment conditions when the coolant is sprayed under high pressure on the metal and tooling surfaces. **PICOCOOL 5254** is a multifunctional water soluble synthetic lubricant that offers excellent corrosion protection, high lubricity, excellent hard water stability, extended sump life and biostability. It is suitable for all metals and for most machining and grinding applications. **PICOCOOL 5254** rejects tramp oil, drops fines quickly and is biodegradeable in treatment systems.

PICOCOOL 5254 is available in all typical package sizes including drums and pails.

PICO Chemical Corporation has been in business since 1976 and is an ISO 9001:2000 certified manufacturer of value-enhanced specialty chemicals and lubricants to clean, condition, lubricate and protect metalworking, metal finishing and related processes.

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PICO laboratory photographs showing foaming levels of **PICOCOOL 5254** vs. a competitive synthetic coolant will be sent with this release. Photographs depict **PICO**'s special foam testing apparatus that pumps a 7% mixed fluid under pressure into the fluid to create severe agitation and air entrainment.

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