



## Cost Effective Emulsion Technology for Machining and Grinding

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### Quaker Chemical Brings Premium Emulsion Technology to IMTS 2012

CONSHOHOCKEN, Pa., Aug. 27, 2012 /PRNewswire/ -- Driving costs out of your process is always a priority. That's why Quaker Chemical Corporation (KWR) developed their latest "Best in Class" metalworking series of fluids that deliver all the vital performance measures expected of a semi-synthetic [machining and grinding](#) fluid. QUAKEERCOOL® 3511 is a bio-stable coolant formulated with a sophisticated emulsion package. Not only does QUAKEERCOOL 3511 deliver exceptional performance, it is also cost effective.

QUAKEERCOOL® 3511 was developed with Quaker's most advanced [emulsion technology](#) and lubrication knowledge. It can operate within a range of 125-750 ppm hardness, demonstrates outstanding foam control, and exhibits exceptional fines handling. The highly developed lubrication package incorporated into QUAKEERCOOL 3511 offers performance advantages over conventional emulsions suitable for use with gray cast iron and alloy steels. Machining studies conducted by Quaker, using specifically designed equipment and a predefined testing protocol, demonstrate reduced tool wear and a reduction in cutting forces with this fluid.

Jay Dryzga, Quaker Automotive Account Manager states, "After a very successful launch, QUAKEERCOOL 3511 is now utilized within several Engine and Transmission plants throughout the United States. This [metalworking fluid](#) technology has once again raised the bar, as it provides optimal performance at a reduced cost to our customers."

QUAKEERCOOL 3511 was also formulated without any secondary amines, chlorinated or sulfurized compounds, or phenolic ingredients. It possesses excellent [corrosion](#) protection characteristics to ensure rust-free parts, and exhibits optimal tramp oil rejection properties to extend bath life. It has also been designed to minimize the use of biocides when maintained at the recommended concentration and pH levels.

Quaker will be showcasing its high performance coolant technology at the International Manufacturing Technology Show ([IMTS](#)) from September 10-15, 2012 in Chicago, Illinois - booth W 2222.

For more information on Quaker Chemical, and its full product line offerings, including Chemical Management Services, please visit [quakerchem.com](http://quakerchem.com).

*Quaker Chemical Corporation is a leading global provider of process chemicals, chemical specialties, services, and technical expertise to a wide range of industries – including steel, aluminum, automotive, mining, aerospace, tube and pipe, coatings and construction materials. Quaker's products, technical solutions, and chemical management services enhance customers' processes, improve product quality, and lower costs. Quaker's headquarters is located near Philadelphia in Conshohocken, Pennsylvania.*

SOURCE Quaker Chemical Corporation

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