



Comprehensive Process Fluids for Metalworking's Demanding Applications

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Quaker Chemical Presents Drawing & Forming and Tube & Pipe Product Solutions at FABTECH 2017

CONSHOHOCKEN, Pa., Nov. 6, 2017 /PRNewswire/ -- Manufacturing process fluids used in metalworking operations are challenged by the need to be high performing, compatible, and versatile. **Quaker Chemical Corporation** (NYSE: KWR, "Quaker"), a leading supplier in process fluid solutions, addresses these concerns in drawing & forming, hydroforming, and tube & pipe applications.

One such solution is the **QUAKERDRAW**[®] product line which encompasses a range of metal forming lubricants consisting of emulsifiables, neat oils, and solution synthetic fluids with these key benefits:

- Superior lubrication to increase die and punch life
- Excellent corrosion protection
- High film strength additives to reduce scratching and galling on parts and dies
- Easy to clean with solvent or alkaline cleaners
- Compatibility with typical waste water treatment processes
- Versatility in applications for light, medium, or heavy forming; roll forming; cold heading; and hydroforming

In instances where chlorinated paraffins are an issue, our latest reformulated **QUAKERDRAW**[®] fluids offer the heavy duty performance without the chlorine content. These drawing and forming fluids can replace chlorinated forming lubricants on all metal types.

To develop and test lubricant performance, Quaker utilizes the **Twist Compression Test** (TCT) which simulates lubricant starvation conditions and tests boundary and extreme pressure lubrication regimes. These conditions exist in the most challenging metal forming operations. A new video (<https://youtu.be/ra6qd3ixNHI>) highlighting the TCT method will be featured at FABTECH.

For tube & pipe applications, Quaker applies its "**Front-to-Back**" approach including not only a range of process fluids for the front end of pipe manufacturing, but also protective coatings to finish at the back end, coupled with the expertise to implement customized solutions for specific customer needs:

- Designed with versatility in mind, the **QUAKERCOOL**[®] **700** coolant series platform can be utilized across multiple processes, metal substrates, and tube and pipe market segments; it is also compatible with upstream chemistries and downstream coatings
- **QUAKERCOAT**[®] range of solvent based, water based, and ultraviolet (UV) cured coatings which provide corrosion protection

At **Booth A5740**, Quaker will be featuring its drawing and forming, hydroforming, tube and pipe products and application expertise during **FABTECH 2017** (<https://www.quakerchem.com/fabtech-2017/>), the largest metal-forming, fabricating, tube & pipe, and welding tradeshow in North America. The tradeshow will be held at McCormick Place in Chicago, Illinois from November 6-9.

For the full product line offerings for drawing and forming applications, visit: <https://www.quakerchem.com/product/metal-forming-fluids/>

For the full product line offerings for tube and pipe applications, visit: <http://www.quakerchem.com/expert-experience/industry-expertise/tube-and-pipe/>.

About Quaker Chemical Corporation:

Quaker Chemical is a leading global provider of process fluids, chemical specialties, and technical expertise *to a wide range of industries, including steel, aluminum, automotive, mining, aerospace, tube and pipe, cans, and others.* For nearly 100 years, Quaker has helped customers around the world achieve production efficiency, improve product quality, and lower costs through a combination of innovative technology, process knowledge, and customized services. Headquartered in Conshohocken, Pennsylvania USA, Quaker serves businesses worldwide with a network of dedicated and experienced professionals whose mission is to make a difference. Visit quakerchem.com to learn more.



It's what's inside that counts.®

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