

 TUBE AND PIPE

North American Headquarters

Quaker Chemical Corporation

One Quaker Park
901 E. Hector Street
Conshohocken, PA 19428-2380
U.S.A.
+1.610.832.4000

European Headquarters

Quaker Chemical B.V.

Industrieweg 7
1422 AH Uithoorn
The Netherlands
+31.297.544644

Asia/Pacific Headquarters

Quaker Chemical (China) Co., Ltd.

No. 619 TianYing Road
Qingpu Industrial Park
Shanghai 201700
People's Republic of China
+86.21.3920.1666

South American Headquarters

Quaker Chemical Indústria e Comércio Ltda.

Avenida Brasil, no 44.178
Distrito Industrial de Campo Grande
23.078-000 - Rio de Janeiro - RJ
Brazil
+55.21.3305.1800

quakerchem.com



Tube & Pipe
Welded Product Line

Welded Tube and Pipe Production

Integrated “front to back” approach. Metalworking process fluids and coating for each process of the tube manufacturing process.

Choosing Quaker welded tube & pipe solutions benefits your business.

- » We have the history, products, experts and global presence to identify and solve your specific technical and business challenges
- » We understand the processes and applications inside and out – and can provide improvements in both product technology and application equipment
- » We can integrate your entire process – from casting, forming and finishing, to coating – maximizing your productivity while ensuring process and chemical compatibility

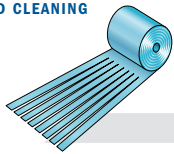
» We put environmental compliance and worker health and safety at the front of everything we do

» We utilize data-based decision making to analyze and improve your processes. Our extensive global database of tube and pipe applications allows us to capture and share best practices more effectively and efficiently

No one else brings you this depth of knowledge and resources. Quaker's global focus on the tube and pipe industry provides unmatched dedication and commitment to this industry. Our unique “front-to-back” portfolio of metalworking process fluids and coatings know-how differentiates us from the competition. We leverage this expertise and technology with global resources to provide

custom solutions at the local level. On the front end, our leading position in process fluids and specialty lubricants for steel mills provides synergies and benefits in the applications of fire resistant hydraulic fluids, specialty greases and hot forming and rolling lubricants for seamless pipe production. Further downstream, we lead the way with innovative metalworking fluids for higher performing pipe-threading applications and stringent finishing operations. At the back end, our coatings – including environmentally friendly solvent-based coatings, fast-drying, low-VOC, water-based coatings and UV coatings – can be customized to meet increasing market performance demands

COIL SLITTING AND CLEANING



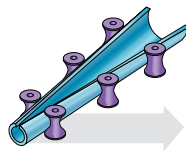
QUAKERCLEAN® SERIES CLEANERS

- » Good detergency
- » Excellent mill lube removal
- » Good compatibility with downstream coolants

FERROCOTE® SERIES CORROSION PREVENTIVES

- » Excellent corrosion protection
- » Mill applied lubrication
- » Easily to clean
- » Process compatibility

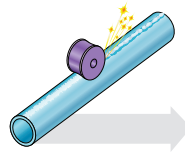
FORMING



QUAKERCOOL® SERIES COOLANTS

- » Excellent fines handling
- » Good lubrication
- » Good detergency
- » High wetting ability
- » Offers temporary corrosion protection
- » Biostatic – Long sump life
- » Mineral oil free

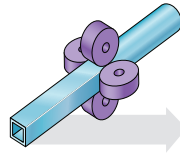
WELDING / SCARFING



QUAKERCOOL® SERIES COOLANTS

- » Excellent cooling
- » Good lubrication
- » Good detergency
- » Good chip setting
- » Low conductivity, eliminates arcing
- » Good fines handling
- » Extends tool life

SIZING / CALIBRATION



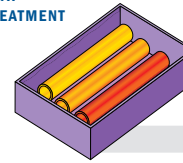
QUAKERCOOL® SERIES COOLANTS

- » Good fines handling
- » Excellent cooling
- » Good lubrication
- » Good corrosion protection

FERROCOTE® SERIES CORROSION PREVENTIVES

- » No smoke
- » Good lubrication
- » Excellent on stainless

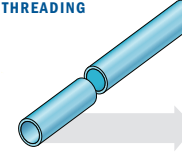
HEAT TREATMENT



QUINTOLUBRIC® SERIES FIRE RESISTANT HYDRAULIC FLUIDS (FM APPROVED)

- » Nontoxic / Non hazardous
- » Biodegradable
- » Good oxidation stability

CUT OFF / THREADING



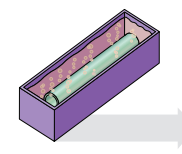
QUAKERCOOL® SERIES COOLANTS

- » Good cooling
- » Good lubrication
- » Long tool life
- » High wetting ability
- » Offers temporary corrosion protection
- » Biostatic – Long sump life

QUAKERCUT® SERIES CUTTING FLUIDS

- » Shearing and sawing
- » Good lubrication
- » Extends tool life

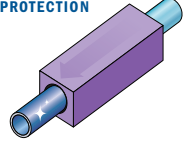
HYDROTESTING



QUAKERCOOL® SERIES COOLANTS

- » Good corrosion protection
- » Excellent tramp oil rejection properties
- » Excellent anti-white rust
- » High detergency and wetting
- » Biostatic – Long sump life
- » Cost effective

CORROSION PROTECTION



FERROCOTE® SERIES CORROSION PREVENTIVES

- » Excellent corrosion protection
- » Good water displacement properties
- » Low residue
- » Easy to clean
- » Suitable for cold rolled, hot rolled, pickled, and galvanized

QUAKERCOAT® SERIES PROTECTIVE COATINGS

- » Excellent corrosion protection
- » Hybrid technologies
- » Water based
- » Solvent based
- » UV technology
- » Environmentally friendly
- » Low VOC solvent based coatings
- » Zero VOC exempt solvent based coatings

A local partner you can depend on. Anywhere in the world.

Our staff is on the ground, on-site, in every region of the globe. That means our entire infrastructure (from R&D to manufacturing and beyond) is designed to support our customers at a local level, whether the customer is in one facility or spread across plants worldwide.

Put the right partner to work for you – at every step of the way to success. Contact Quaker today to improve your business from the inside.