

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

[quakerhoughton.com](http://quakerhoughton.com) | [info@quakerhoughton.com](mailto:info@quakerhoughton.com)

# STEEL PRODUCT LINE



PRODUCT	TECHNOLOGY	APPLICATIONS	APPLICATIONS								BENEFITS
			CASTING	HOT ROLLING	PICKLING	COLD ROLLING	TIN ROLLING	TIN PLATING	TEMPERING	OILING	
<b>Process Fluids</b>											
Casting Lubricants: HEATSHIELD®	Fully refined, treated, non-petroleum based mold lubricant		●								Provides excellent surface finish to billets and slabs; burns cleanly without forming varnish or sludge-like residues
Cleaners: QUAKERCLEAN®	High solids and alkaline							●		●	Balanced detergency and high performance at low concentrations; foam control for a wide temperature range, increased bath life and reduced cost
Cleaners: QUAKER FORMULA®	Multi-purpose Degreaser	General All Purpose Maintenance Cleaner								Safe in hazardous work areas, free rinsing with minimal surface residue, low alkalinity, reduced corrosivity, easy removal of grease and oils	
Cold Rolling Oils and Pickle Oils: QUAKEROL®	Synthetic, Semisynthetic and natural esters			●	●	●					Greater productivity, improved cleanliness, reduced consumption, improved roll life, and reduced waste treatment concerns
Corrosion Preventives: FERROCOTE® Series	Mineral oil, solvent, emulsifiable			●				●	●	●	Protects against humidity and acidic atmospheres, non-staining. Excellent resistance to stain and varnish, versatile, single product to protect many metals
Corrosion Preventives: QUAKER DRYCOTE®	Dry Film Lubricant								●	●	Superior corrosion/stain protection, excellent lubrication properties, efficient destacking of blanks, no heavy metals or chlorine, compatible with downstream processes
Hot Rolling Oils: QUAKEROL® HB & QH EVEROLL™ Series	Synthetic cationics and water based long product compounds		●								Reduced or no cleaning of headers and nozzles; extended roll life; greater energy reductions, and improved back-up and work roll life
Surface Treatments: PRIMECOAT™	Hexavalent and Trivalent Passivates/ Thin Organic Coatings (TOC)									●	Superior corrosion protection; excellent adhesion properties with organic coatings and paints; fluoride-free and chromium(VI)-free; simple application at a low drying temperature; enhanced lubrication properties
Temper Fluids: QWERL® & QH EVERPASS™	Water Based, Emulsifiable, Oil Based, Solvent							●		●	Extended roll life; improved strip quality – less rolled dirt defects; premium corrosion prevention; high flash point and low odor for a safer work environment
Tin Plating: QUAKERTIN™	MSA Technology							●			Highest tin utilization of any commercial electrolyte, equating to the lowest cost to produce tinplate; smallest environmental footprint/highest quality/largest operational window of available electrolytes
<b>Maintenance Fluids</b>											
Fire-Resistant Hydraulic Fluids: QUINTOLUBRIC® 888 & 865 Series	HFD-U: Vegetable Ester		●	●	●	●	●		●	●	Fire-resistant global formulation that provides excellent shear stability, best-in-class oxidation stability, and is environmentally friendly
Fire-Resistant Hydraulic Fluid: HOUGHTOSAFE™ 419R & 620	HFC: Water Glycol		●	●	●				●	●	Superior liquid and vapor phase corrosion protection, has a high viscosity index, and excellent shear stability and chemical thermal and hydraulic stability
Specialty Greases: QUAKERTEK™ AX	Mineral Oil Aluminum Complex		●	●	●	●	●	●			Excellent resistance to water washout; high temperature performance; superior rust and corrosion protection; excellent EP protection for heavy loading, and excellent film strength
Specialty Greases: QUAKERTEK™ LX	Mineral Oil and Synthetic Hydrocarbon Lithium Complex			●	●	●	●	●	●	●	Excellent resistance to water washout; superior rust and corrosion protection; outstanding protection at high temperatures; excellent film strength & EP protection for heavy loading
Specialty Greases: QUAKERTEK™ CS	Mineral Oil Calcium Sulfonate			●					●	●	Exceptional lubricity, thermal stability, corrosion protection and good water washout resistance
Specialty Greases: QUAKERTEK™ UX	Mineral Oil Polyurea		●	●	●				●		Compatible with lithium and lithium complex greases, gives excellent corrosion protection and operates in a broad range of service temperatures
Conventional Lubricating Oils & Hydraulics: HEP AW & Circulating Oils	Mineral oil based				●	●	●	●	●	●	High performance lubricating and hydraulic oils formulated with high quality neutral base oil, antioxidant, anti-corrosion, anti-wear, and anti-foam additives