



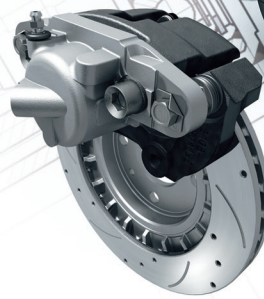
A QUAKER CHEMICAL COMPANY

*Innovation and Experience at Work*

# Lubricants for Powertrains & Brakes

**Long life. Wide-temperature.  
Smooth, quiet performance.**

Quality benchmarks that give our customers a competitive edge.



## Splines & U-Joints

*Slip stick, fretting corrosion and high temperature make these parts tough to lubricate.*

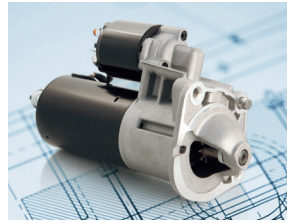
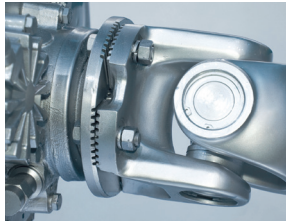
RheoGel TEK676	PAO/CaSul	Great load carrying capability plus fretting and ferrous corrosion protection.
TriboGel PA6110LCS	PAO/PTFE	Low friction, great stay in place grease for low noise nylon coated splines.
ViscoTech R174B	Min/Lithium PTFE	Low temperature, low friction grease well suited for nylon coated splines.

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## Drum & Disc Brakes

*Greases designed for high temperature, corrosion and salt water resistance, short motion and low slip stick are needed for these parts.*

RheoGel TEK639	PAO/CaSul	High load, wear and corrosion resistant grease for drum brakes and actuators.
RheoGel 1810	PAG/Lithium	EPDM/brake fluid compatible grease for caliper pins and actuators.
UltraSil 1104	Silicone/PTFE	High temperature, EPDM compatible, very low slip stick grease for calipers pins.



## Starter Motors

*Long cycle life, high temperature and salt exposure are all points to consider.*

<b>RheoGel 4027</b>	PAO/Lithium MoS2	High load, high temperature grease for planetary gears and solenoid plunger.
<b>UltraSil 818</b>	Silicone/Lithium	Wide temperature grease for starter clutches.
<b>IsoTech ES1120N</b>	Ester	High temperature sintered bearing oil for nose cone bearings.

## Master Cylinder

*Exposure to brake fluids and high temperatures are the key points to consider.*

<b>RheoGel 1810</b>	PAG/Lithium	EPDM and brake fluid compatible grease. Great for O-rings and other assembly aides.
<b>UltraSil 1104</b>	Silicone/PTFE	High temperature, EPDM compatible, very low slip stick grease for brake solenoids.
<b>AbsoLube 411A</b>	PFPE/PTFE	Low friction, low temperature, chemically inert grease for seals and O-rings.

## ABS & ETC Actuators

*EPDM compatibility and brake fluid resistance are required for all moving parts in this category.*

<b>AbsoLube 411A</b>	PFPE/PTFE	Low friction, low temperature, chemically inert bearing grease.
<b>AbsoLube 5111A</b>	PFPE/PTFE Dispersion	Easy application for depositing thin coatings of a low friction grease on piston bores.
<b>AbsoLube 5110</b>	PFPE Dispersion	Thin film oil deposition. Great for O-rings for ease of assembly.



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**ECLI Products, LLC** 3851–3847 Exchange Ave. Aurora, IL 60504 USA Tel. +1-630-449-5000 Fax +1-630-585-0050  
**ECL Engineered Custom Lubricants GmbH** Stormsweg 5A, 22085 Hamburg, Germany Tel. +49 40 386660-80 Fax +49 40 386660-81  
[www.ecllube.com](http://www.ecllube.com) ISO/TS16949:2009 Registered QMS

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