



Quintolubric® 818-02

Phillips 66® Quintolubric 818-02 is a synthetic, high water content anti-wear hydraulic fluid concentrate developed for use in hydraulic systems operating in areas subject to fire hazards, such as in steel mills, foundries, and underground mining equipment. When diluted with water, it forms a stable microemulsion that is inherently fire resistant because of its high water content (95%). It is approved by the MSHA for use in underground mining equipment.

Quintolubric 818-02 is formulated with a carefully balanced blend of dispersants and emulsifying agents, plus corrosion inhibitors, an ashless (zinc-free) anti-wear additive, and a biocide. It dilutes easily with water to form a stable microemulsion that is inherently fire resistant. It provides better wear protection than conventional soluble oils and protects hydraulic system components against rust and corrosion. The combination of a biocide and the extremely low oil content in the microemulsion makes this product highly resistant to bacterial growth. This product is readily biodegradable in accordance with the ISO 7827 standard.

Quintolubric 818-02 may be used in all hydraulic systems designed for high water content (HFA) fluids. It is compatible with conventional water treatment systems.

Applications

- Hydraulic systems subject to fire hazards
- Underground mining equipment requiring a fire-resistant, MSHA-approved hydraulic fluid
- Steel mills, foundries, and manufacturing plants

Features/Benefits

- Fire resistant
- Protects against wear
- Protects against rust and corrosion
- Forms a stable microemulsion
- Highly resistant to bacterial growth
- Compatible with conventional water treatment systems
- Readily biodegradable
- MSHA approved (Approval Number 35-A090005)

CAUTION: *Quintolubric 818-02 should **not** be used in hydraulic systems where operating temperatures exceed 175°F. This product contains water and should not be stored at temperatures over 130°F or below 40°F. Water content should be closely monitored to insure safe operation.*

Synthetic, High Water Content, Fire-Resistant Hydraulic Fluid for Longwall Mining; MSHA Approved & Readily Biodegradable





Quintolubric® 818-02

Typical Properties	
Grade	818-02
Specific Gravity @ 60°F	1.02
Density, lbs/gal @ 60°F	8.50
Appearance, Visual	Yellow Green
Flash Point (COC), °C (°F)	N/A ⁽¹⁾
Pour Point, °C (°F)	-3 (27)
Viscosity	
cSt @ 100°F	7.7
SUS @ 100°F	51
pH (neat)	10.1

⁽¹⁾ **Note:** This product does not support combustion.

Note: Quintolubric® is a registered trademark of Quaker Chemical Corporation.

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.