



Quintolubric® 818-02

Quintolubric® 818-02 is a synthetic, high water content antiwear 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) antiwear 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**

CONTACT INFORMATION

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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.

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3apps.phillips66.com/NetMSDS>.

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

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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