

JMN SPECIALTIES, INC.

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PRODUCT BULLETIN

HYDRA-SPEC EG-500

Water-based Subsea Production Control Fluid

General Description

HYDRA-SPEC EG-500 is a low viscosity, water soluble hydraulic fluid that is non-toxic, non-flammable, and biodegradable. **HYDRA-SPEC EG-500** contains a combination of anti-wear agents, yellow metal and rust inhibitors designed to make it suitable for use in a variety of hydraulic systems. **HYDRA-SPEC EG-500** is commonly used whenever oil based hydraulic fluids could cause environmental concerns in the event of a spill. **HYDRA-SPEC EG-500** is very effective in offshore BOP lines and for sub-sea production control lines. **HYDRA-SPEC EG-500** is formulated for a broad temperature range. This allows for flexibility in conditions that vary from very low to very high temperatures. The operational temperature range for **HYDRA-SPEC EG-500** is -37°C to 106°C (-35°F to 223°F).

Safety

HYDRA-SPEC EG-500 is fire resistant by virtue of its water content. If **HYDRA-SPEC EG-500** should be exposed to a source of ignition, steam would be generated. This steam tends to reduce ignition temperatures and displace oxygen in the hot area thereby inhibiting combustion and suppressing flames.

As with all glycol based control fluids, **HYDRA-SPEC EG-500** must never be mixed with non-glycol based fluids, such as synthetic fluids or mineral oils. Contamination of **HYDRA-SPEC EG-500** with any non-glycol fluid will seriously affect the product performance.

Physical Properties

Appearance	Bright Yellow Liquid
Specific Gravity	1.05 - 1.07
Water Content	~ 47%
pH	8.9 - 9.10
Pour Point (C/F)	< -39° C / -38.2° F
Particulate Cleanliness, ISO 4406	14/11 or better
Viscosity	
cS @ -20° C	28 - 30
cS @ 40° C	2.3 - 2.5

Handling

Observe warning label on containers. Normal precautions for industrial chemicals apply. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this product to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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