TECHNICAL DATA SHEET

FLUIDSAFE™ OB-2

OIL SOLUBLE FLUORESCENT DYE

FLUIDSAFE™ OB-2 fluorescent dye additive aids in the quick and accurate detection of high-pressure fluid injection injuries on site. This helps pinpoint the exact location of hydraulic fluid under the skin, assisting in decreasing the amount of cases requiring surgery and also limiting the amount of soft tissue dissection required during surgery. When viewed under high-intensity blue light (450nm), the FLUIDSAFE™ OB-2 fluorescent green glow can be seen under the skin, enabling quick detection of an oil injection injury on site. The green fluorescent response will remain visible in the tissue for at least 24 hours after the injection, with no ill effects to the human body

Applications

Additionally, the fluorescent green glow of the FLUIDSAFE™ OB-2 additive can aid in the detection of fatigue in hydraulic hoses, fittings, seals and other components that have degenerated to the point where their safety and integrity have been compromised. When used in combination with the high-intensity blue light LED lamp (available as part of the inspection kit) or blue lens filter specially designed to fit over a variety of mining lamps, leaks that are hard to find under normal circumstances can be quickly and easily detected. FLUIDSAFE™ OB-2 is ideal for preventive maintenance programs through reduction in equipment downtime, and loss of hydraulic fluid.

Recommendation For Use

CONCENTRATION CONTROL

Fluid injection detection: 600 milliliters per 1000 liters ISO46 or ISO68.

Leak detection: 300 milliliters per 1000 liters ISO46 or ISO68.

FLUIDSAFE™ OB-2 can be used in specific industrial and longwall mining fluid applications under the conditions stipulated below.

HYDRAULIC EQUIPMENT

Concentration 0.03 - 0.06% by Volume.

Temperature Ambient to 80°C / 170°F.

Pressure 5 - 25,000 psi.

Benefits

- Readily oil soluble
- Additive glows a highly visible green color when viewed using a blue light source – on the skin surface, in soft tissue underneath human skin, and at leak sites on hoses, fittings, seals and other components
- Helps prevent accidental fluid injections by pinpointing small leaks before they lead to catastrophic failures
- Has no adverse effect on the physical properties of hydraulic fluid
- Used by major OEM

Health, Safety And Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance (neat)	Dark Amber liquid	Visual
Specific Gravity	0.98	[ASTM D4052]
Solubility in water	Not Soluble	
Viscosity, Kinematic @40°C	17.7	cSt [ASTM D 445]

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