



ELIXIR
ENV DYE-310
LEAK TRACER DYE

PRODUCT DATASHEET

REVISION

Rev 03 / 2026

A fully SIS-compliant environmental dye for leak detection in offshore hydraulic systems: UV-active, with no substitutable components, and fit for discharge-sensitive operations.

Primary excitation at 310 nm with detection at 450 nm, and a secondary excitation peak at 400 nm providing flexibility across detector types.

Fully compliant with SIS (Substance In Solvent) legislation, with no OCNS substitution warning. The newest of OEO's environmental dyes.

Typical dosage 100 to 200 ppm. Compatible with methanol, many water-based subsea control fluids, and sea water.

EXCITATION

310 nm

Secondary excitation peak at 400 nm.

EMISSION

450 nm

Detection peak at 450 nm.

ENVIRONMENTAL RATING

No Sub Warning

UK (OCNS Gold)

Norway (Yellow).

Physical properties

TYPICAL VALUES

GENERAL

Appearance Yellow / Orange / Amber

Specific gravity 1.036

Viscosity @ 20 °C 2 - 3 cSt

pH 9.3 - 9.9

Water solubility Soluble

Oil solubility Insoluble

THERMAL RANGE

Pour point < -15 °C

Upper temperature > 100 °C

Flash point > 100 °C

OPTICAL (nm)

Excitation (primary) 310

Excitation (secondary) 400

Emission 450

COMPATIBILITY

Methanol Compatible

MEG Compatible

Water / MEG mixtures Compatible

Water-based control fluids Compatible

Need a sample, or technical data beyond this sheet? [Speak to our team.](#)

TECH@OFFSHORE-OILS.COM