



ELIXIR
FL DYE-580
LEAK TRACER DYE

PRODUCT DATASHEET

REVISION
Rev 03 / 2026

A field-proven visible pink fluorescent dye for leak detection where confirmation by eye, or by colour-sensitive instrumentation, is preferred over UV interrogation. Supplied to offshore operators worldwide for more than 15 years.

Excitation at 540 nm with detection at 580 nm, both within the visible spectrum, so a leak path can be read directly as well as fluorometrically.

The pink colouration gives clear visual confirmation of the leak path alongside fluorescence detection.

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

EXCITATION

540 nm

Visible spectrum.

EMISSION

580 nm

Detection by eye or instrument.

VISIBLE COLOUR

Pink

Direct visual confirmation of the leak path.

Physical properties

TYPICAL VALUES

GENERAL

Appearance	Dark Purple
Specific gravity	1.04
Viscosity @ 20 °C	2 - 3 cSt
pH	3 - 4
Water solubility	Soluble
Oil solubility	Insoluble

THERMAL RANGE

Pour point	< -15 °C
Upper temperature	> 100 °C
Flash point	> 100 °C

OPTICAL (nm)

Excitation	540
Emission	580

ENVIRONMENTAL

UK (OCNS)	Gold (sub. warning)
Norway (CEFAS)	Yellow (Y1)

COMPATIBILITY

Methanol	Compatible
MEG / water	Compatible
Sea water	Compatible
Water-based control fluids	Compatible

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

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