



ENVIROSOL USF04

OIL BASED UMBILICAL STORAGE FLUID

PRODUCT DATASHEET

REVISION

Rev 03 / 2026

A stable, low-viscosity umbilical storage fluid with broad compatibility across SURF chemicals, designed to cut installation cost without compromising long-term storage integrity.

Low viscosity minimises pump energy and reduces installation time, while stability over the long storage periods typical of subsea umbilicals keeps the fluid fit for purpose in place. Its broad SURF compatibility means it **can remain in the umbilical as a flushing or commissioning fluid** rather than being displaced before service.

Fully compatible with the Brayco Micronic SV/3, SV/4 and SV/B range, so it can be used to top up existing systems or for a full conversion.

Extensively tested against the metals and elastomers specified in **API 17F**. Full compatibility data is available in the product manual.

VISCOSITY @ 20 °C

6.7 cSt

Low pumping energy; fast umbilical fill.

ENVIRONMENTAL RATING

OCNS E · Yellow

UK (OCNS Class E, no substitutables)
Norway (Yellow).

BRAYCO COMPATIBLE

SV/3 · SV/4 · SV/B

Fully compatible: top up or convert.

Physical properties

TYPICAL VALUES

GENERAL

Appearance	Colourless / Pale Yellow
Specific gravity	0.82
Flash point	> 135 °C
Water solubility	Insoluble
Oil solubility	Soluble

THERMAL RANGE

Pour point	< -40 °C
Minimum temperature	-30 °C
Upper temperature	200 °C

VISCOSITY (cSt)

At -20 °C	36.9
At 20 °C	6.7
At 40 °C	4.1

COMPATIBILITY

Brayco Micronic SV/3	Fully compatible
Brayco Micronic SV/4	Fully compatible
Brayco Micronic SV/B	Fully compatible

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

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