

Key Benefits

- Recommended for long-term storage
- Excellent ferrous and non-ferrous corrosion protection properties
- Superior vapor phase corrosion protection
- Resistant to microbial infection
- Fully compatible with Oceanic HW Subsea Production Control fluids, Erifon BOP and Erifon motion compensator fluids
- No colour taint of subsequent installed control fluid
- Manufactured to NAS 1638/AS 4059 Class 6/6b-f or better cleanliness
- Meets stringent global environmental acceptability requirements
- Free Fluid Monitoring programme can optimise flushing & testing operations

Description

Oceanic EPF fluids are high-quality water-based fluids. These ready to use fluids protect the internals of hydraulic systems during long-term storage.

Oceanic EPF fluids are compatible with each other, with Oceanic HW production control fluids, Erifon BOP and Erifon motion compensator fluids. Fluids differ in glycol content and geographic availability.



Typical Physical Properties

	Oceanic EPF US	Oceanic EPF 2 UK
Appearance	Clear Colorless Liquid	Clear Colorless Liquid
pH	9.9	9.3
Specific Gravity @15.6°C	1.08	1.05
Kinematic Viscosity (cSt)		
-20°C (-4°F)	40	24
0°C (32°F)	15.6	7
40°C (104°F)	3.5	4
Pour Point	-50°C (-58°F)	-25°C (-12°F)

For further recommendations, technical information, Health & Safety data sheets, OEM or environmental approvals, email wigansales@macdermid.com

THE CONTROL FLUID TECHNOLOGY LEADER

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OCEANIC EPF FLUIDS

Environmental Information

MacDermid maintains worldwide environmental approvals and can offer Oceanic Storage fluids suitable for use in every exploration and production region around the world. The current environmental status of Oceanic EPF fluids in your area can be obtained from our environmental specialists.

Storage

Oceanic EPF fluids should be stored in dry conditions, ideally out of direct sunlight. Normal storage temperature range is 5 to 40°C.

Material Compatibility

Oceanic EPF fluids contain performance additives which ensure high levels of compatibility with materials typically used in subsea production control equipment during long storage periods. Extensive material compatibility tests have been performed with Oceanic EPF fluids.

Ferrous metals (cast iron, carbon steel, low & high alloy steels, stainless steels...)	Compatible
Non-ferrous metals (copper, brass, bronze and other metals and alloys*)	Compatible with alloys typically used in subsea production control equipment. Avoid Zn, Cd, Pb and Mg metals. Aluminum should be hard anodized.
Coatings and ceramic materials	Avoid porous coatings. Compatible with most ceramic parts. Check ceramic coatings
Packaging & sealing materials (elastomers and thermoplastics*)	Compatible with standard NBR, HNBR, FFKM, VMQ/FMVQ, CR, TFE/PTFE, PEEK. Some FKM & AU/EU/PU have proven to be incompatible
Umbilical hose liner thermoplastics	Compatible with Nylon 11, PE and Polyether ester copolymers
Absorbent gasket materials	Avoid cork, leather, cotton impregnated materials
Paints	Avoid painting internal surfaces Cured epoxy, phenolic and nylon based paints are satisfactory. Avoid less resistant paints as they soften. Wash spillages immediately with water
Filter elements	Polypropylene and glass fiber filter elements recommended over paper filters

* As material compatibility varies from compound to compound and supplier to supplier, consult supplier for recommendations or request specific compatibility tests.

MacDermid Offshore Solutions A Subsidiary of MacDermid Group

Manufacturing Locations

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