

DESCRIPTION

Aubin's **MEG Gel** is a monoethylene glycol based pipeline gel. It is a mixture of MEG viscosified using a special blend of natural polymers which give this product an excellent environmental profile (**MEG Gel** is rated as Gold under CHARM).

MEG Gel is a single component system. It is supplied ready to use and there are no crosslinkers used in the formulation. This product is versatile and can be supplied to a customised viscosity depending on the application and available pump pressure on site. **MEG Gel** is shear thinning and so the pump pressure to move the gel initially is the important consideration when selecting the best formulation. Aubin's technical team will always assist the customer to select the best formulation given these parameters.

MEG Gel has a life span of one year and is stable for use up to 95°C.

APPLICATION

The primary use for **MEG Gel** is dewatering/deoiling pipelines and is excellent for cleaning gas lines where concern about hydrate formation prevents the use of aqueous products. This product can also be used for filling spool pieces to allow their placement without the ingress of seawater.

MEG Gel has also been used many times for the isolation of pipelines where remedial work is required. The gel will fill the full bore of the line and hold back any fluid present in the line to allow the diver safe access to remove flanges, replace vales or otherwise service the pipeline.

PHYSICAL PROPERTIES

Physical Appearance	Viscous Tan Gel
Boiling Point/Boiling Range (°C)	approx 190°C
Melting Point/Melting Range (°C)	approx -13°C
Flash Point (°C) / Method Used	approx 116°C (PMCC)
Specific Gravity	approx 1.1g/cc
Solubility	Soluble in water
pH	6-8
Vapour Pressure	<10Pa @20°C

PACKAGING

Supplied in 200L drums, 1000L IBCs or in ISO tanks (500 or 1000 gallon)

ADDITIONAL INFORMATION

Below is a graph of five standard **MEG Gel** formulations and their viscosity at various shear rates. As mentioned above we can make the gel to any specification but the most commonly used formulations are numbers 2 and 3 which have been used for all the applications described above.

