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Alchemy GPG Product Bulletin

Description

Alchemy GPG (Glycol Pipeline Gel) is a highly viscous liquid MEG based Gel.

Applications

Alchemy GPG can be used as a pigging Gel in certain production systems for the removal of debris or sand or to create a barrier for pipeline intervention where there is no pressure differential.

The Gel is used to prevent sea water ingress in stainless steel and duplex pipelines during pipe laying and hydro-testing.

It contains no chloride containing components ensuring it is very compatible with CRA systems should the pH decrease, or temperature become elevated.

It is also commonly used in pipelines where gas will be flowed after the pipe is commissioned. Due to the major component being Monoethylene Glycol the Gel is ideally suited for use where hydrates may occur. The high MEG content mitigates this possibility.

Typical Glycol concentration in the Gel is over 85% for standard applications.

For specialist operations Glycol concentrations of between 80% and 90% have been formulated.

Stability

The product as formulated is stable for up to 6 months from date of manufacture in typical North Sea ambient conditions.

Physical Properties

Appearance	Pale straw coloured opaque viscous liquid
Typical Specific Gravity	1.07 – 1.2 approx
pH	6 - 9 approx.
Shelf Life	6 months

Packaging

GPG Gel is normally supplied ready mixed in volumes from 20L up to 1000L IBCs or bulk ISO offshore tanks.

GPG can also be supplied in a ready-to-mix Gel Kit[®] form, which can be blended with locally supplied MEG and a mixing spread.

Additional Information

All components of the GPG system are approved by CEFAS for use in UK, Norway and Netherlands.

References

Alchemy GPG has been tested by clients for their individual circumstances.

We have carried out client sponsored tests in 2", 4", 8", 12", 18" spools at given temperatures for projects in the North Sea, West Africa, Brazil and Australia.

A list of case histories of applications can be provided upon request.

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