



Alchemy[®]
Oilfield Services Limited

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Alchemy[®] APG Gel Kit Product Bulletin

Background

Alchemy[®] APG Gel may be used as a suspension gel system, a temporary well isolation system or for pipeline segregation of fluids, debris removal or oil displacement. This Gel is also used to prevent sea water ingress in stainless steel and duplex pipelines during laying, tie-ins and hydro testing.

The product is designed to be used at site as a Base Gel fluid but may also be crosslinked with Alchemy[®] APG Gelling Agent. The resulting crosslinked gel can be used to provide a temporary isolation within a well, hold a fluid pill in a well or in a pipeline, to prevent sea water ingress during laying and tie-in, as a pipeline debris removal agent, segregation system or oil displacement medium.

The Base Gel is supplied as a liquid phase to the application site where it is crosslinked if required by application of Gelling Agent in a ratio of 100 parts Base Gel to 2 to 2.5 parts crosslinker (Alchemy[®] APG Gelling Agent).

When supplied in this form (bulk) the shelf life of the product is 12 weeks and entails shipping bulk tanks of product to the application area or country.

An alternative option is Alchemy[®] APG Gel Kits which can be mixed at or near the application site using locally sourced bulk fluids (either potable water or sea water).

Description

Alchemy APG Gel Kits consist of 3 components:

1. APG Polymer
2. APG Solvent AF
3. APG Stabiliser M

One APG Gel Kit is supplied in a small bucket which contains the materials to formulate 500L Base Gel once mixed with the bulk fluid (smaller Kit volumes available).

Shelf Life

Alchemy Gel Kits have a shelf life of 12 months from date of manufacture, if kept sealed in original packaging.

Advantages

Increased shelf life and flexibility of use

Decreased shipping costs

Decreased shipping time (Gel Kits are suitable for air freight)

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Compatibility

Alchemy APG Gel System is incompatible (does not mix) with crude oil, wax solvers/aromatic solvents and kerosene/diesel therefore ensuring good separation between chemicals when used as a batching gel. The integrity of the gel however is unaffected by these materials.

Supply

A standard Gel Kit forms 500L Base Gel but Alchemy® APG Gel Kits can be supplied in various sizes to suit client requirements.

The above properties are typical of the Alchemy® APG Range but do not imply any particular specification for the product.