

DESCRIPTION

Gel 33 is a blend of natural polymers in an aqueous solution usually supplied along with the crosslinking agent XLB-10. It has a wide variety of pipeline applications including dewatering / deoiling, debris removal, spool isolation, cleaning and fluid separation. **Gel 33** is very environmentally friendly and is registered for use in the UK sector.

APPLICATION

Supplied as an aqueous solution **Gel 33** is easy to deploy on site. The following instructions will ensure its correct deployment;

- Mix or circulate the tank of **Gel 33** thoroughly prior to pumping to ensure a homogenous product.
- Begin pumping the **Gel 33** solution at a known rate.
- Once the **Gel 33** solution is pumping spike in the XLB-10 at 1.0%v/v. The XLB-10 should be spiked in via a T-piece.
- The mixture of **Gel 33** and crosslinker should then be pumped through an inline mixer or a restriction sufficient to impart turbulence to provide shear.
- The crosslink will form almost immediately. Once the required quantity of crosslinked **Gel 33** has been pumped all pumping should be stopped for 10-15 minutes. **Gel 33** has a natural “self-healing” mechanism and leaving the gel static for this time will allow it to form into one continuous slug of gel.
- Once the crosslinked **Gel 33** has been left to heal push the gel with the fluid of your choice, usually potable water, seawater or MEG are used but any fluid can be used as long as it not acidic. **Gel 33** cannot be propelled with gas.

PHYSICAL PROPERTIES

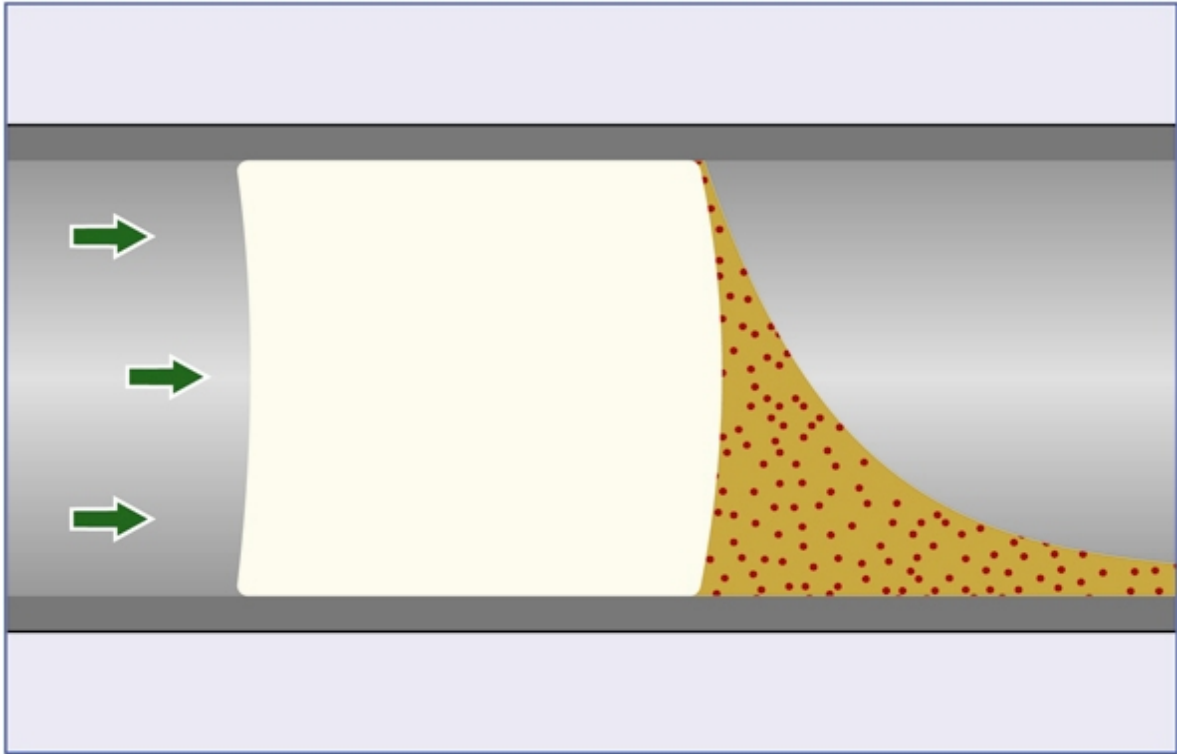
Appearance	Colourless opaque viscous liquid
Specific Gravity (g/cc)	+/-1.00
pH	+/-7 when not crosslinked, +/-10 when crosslinked

PACKAGING

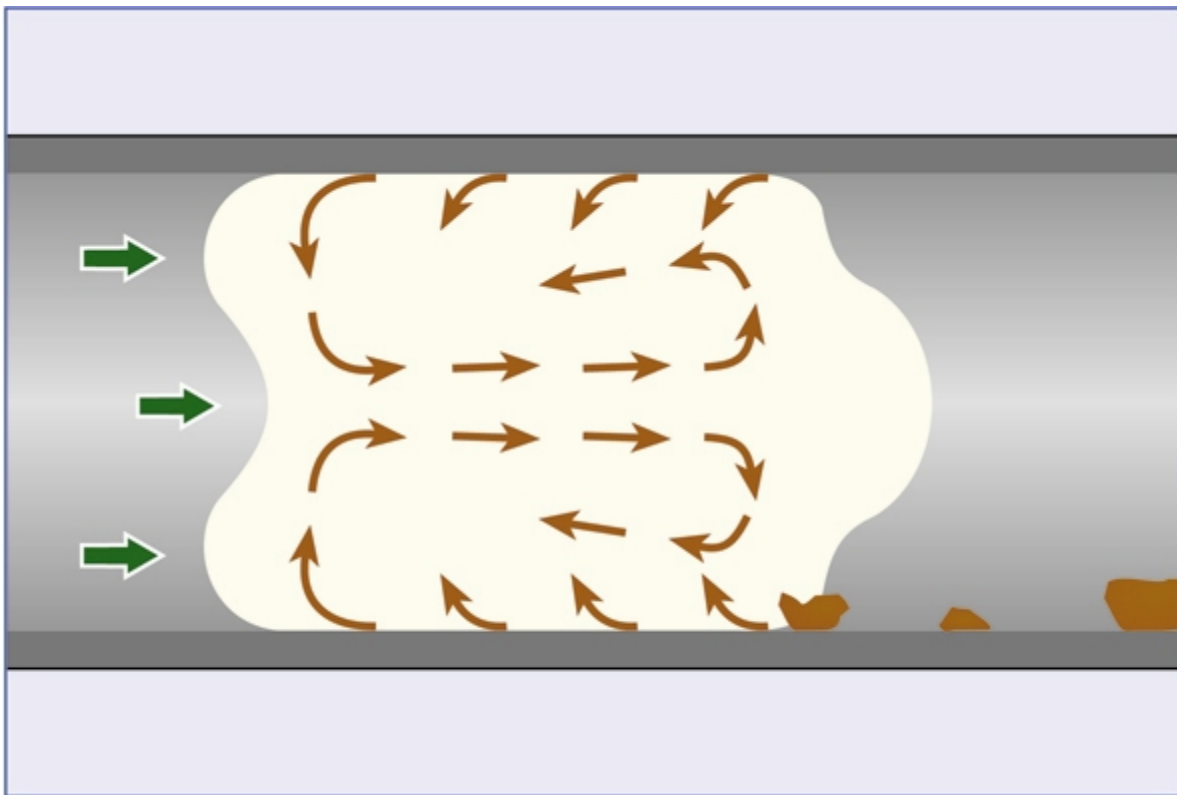
Usually supplied in 500 or 1000gal ISO tanks but can be supplied in 1000L IBCs.

ADDITIONAL INFORMATION

All components of the **Gel 33** system are approved by CEFAS and are rated as gold under CHARM. The approximate life span of **Gel 33** solution is 4-6 weeks from the date of supply.



Dewatering/Deoiling. Fluid is removed from the pipe with the gel or gel pig by simple plug flow displacement.



Debris removal. A cyclical movement lifts any debris and pulls it into the centre of the gel.