



Client: Europa Oil
Well: Cloghton 2
Basin/Field:
State:
County/Parish:
Case:
Disclosure Type: Pre-Job
Well Completed:
Date Prepared: 4/24/2025
Report ID: RPT-2018

Fluid Name & Volume		Additive	Additive Description	Concentration	Volume
YF130D:WF130:WF110	429,788 gal	B390	BODOXIN AE - Biocide, use Suppliers SDS	0.3 Gal/mGal	112.0 gal
		B482	EZEFL0* Surfactant B482	2.0 Gal/mGal	880.0 gal
		B512	YF100LGD Crosslinker B512	2.2 Gal/mGal	941.0 gal
		J218	Breaker J218	0.2 lb/mGal	66.0 lbm
		J353	Stabilizing Agent	2.5 lb/mGal	1,078.0 lbm
		J475	Breaker J475	4.9 lb/mGal	2,099.0 lbm
		J480	Buffer	0.9 lb/mGal	390.0 lbm
		J579C	Crosslinker	11.4 lb/mGal	4,901.0 lbm
		J580	Gel J580	29.8 lb/mGal	12,802.0 lbm
		J622C	Low Temperature Fiber J622C	4.4 lb/mGal	1,898.0 lbm
		L071	Clay Control Agent	2.0 Gal/mGal	880.0 gal
		S100	100 Mesh Sand	varied concentrations	26,456.0 lbm
		S626-2040	MaxPROP ISP S626-2040	varied concentrations	326,837.0 lbm
		S810	Propping Agent	varied concentrations	74,960.0 lbm

* Proprietary Technology

The total volume listed in the tables above represents the summation of water and additives. Water is supplied by client.

CAS Number	Chemical Name	Mass Fraction
-	Water (Including Mix Water Supplied by Client)*	~ 88 %
66402-68-4	Ceramic materials and wares, chemicals	~ 10 %
14808-60-7	Quartz, Crystalline silica	< 1 %
9000-30-0	Guar gum	< 1 %
160875-66-1	2-Propylheptanol ethoxylate	< 1 %
9051-89-2	1,4-Dioxane-2,5-dione, 3,6- dimethyl-, (3Rcis)-, polymer with (3S-cis)-3,6-dimethyl-	< 1 %
67-48-1	2-hydroxy-N,N,N-trimethylethanaminium chloride	< 1 %
7727-54-0	Diammonium peroxodisulphate	< 0.1 %
1333-73-9	Sodium borate	< 0.1 %
3586-55-8	(Ethylenedioxy)dimethanol	< 0.1 %
10102-17-7	Sodium thiosulfate, pentahydrate	< 0.1 %
102-71-6	2,2',2''-nitrilotriethanol	< 0.1 %
1310-73-2	Sodium hydroxide	< 0.1 %
25038-72-6	Vinylidene chloride/methylacrylate copolymer	< 0.01 %
527-07-1	Sodium gluconate	< 0.01 %
7631-86-9	Silicon Dioxide (Impurity)	< 0.001 %
14807-96-6	Magnesium silicate hydrate (talc)	< 0.001 %
9002-84-0	poly(tetrafluoroethylene)	< 0.001 %
9004-67-5	Cellulose, methyl ether	< 0.001 %
72283-36-4	Oxirane, 2-methyl-, polymer with oxirane, mono-(9Z)-9-octadecenoate, methyl ether	< 0.001 %
39322-78-6	Phosphoric acid, dodecyl ester, potassium salt	< 0.001 %
Total		100 %

* Mix water is supplied by the client. Schlumberger has performed no analysis of the water and cannot provide a breakdown of components that may have been added to the water by third-parties.

* The evaluation of attached document is performed based on the composition of the identified products to the extent that such compositional information was known to GRC - Chemicals as of the date of the document was produced. Any new updates will not be reflected in this document.

Components (CAS No)	Components (Name)	Hazardous Classification CLP	List I (hazardous)	List II (non-Hazardous)	Radiative substance?	PBT substance? (REACH definition and TGB)	1) High B or High T (REACH/TGD and CLP)	2) vPvB substance? (REACH)	3)CMT substance (CLP)?	4) is the substance very acutely toxic to aquatic biota? (LC50/EC50<0.1mg/l;	5) persistent substance and potentially very toxic to human?	Echa data available	Estimated JAGDAG hazardous substance classification?	Comment
66402-68-4	Ceramic materials and wares, chemicals	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
14808-60-7	Quartz, Crystalline silica	STOT REP. 2(H373)	No	No	No	No	No	No	No	No	No	Yes	Non-hazardous	Listed as PLONOR according OSPAR
9000-30-0	Guar gum	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	Listed as PLONOR according OSPAR
160875-66-1	2-Propylheptanol ethoxylate	Eye Dam. 1 (H318)	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
9051-89-2	1,4-Dioxane-2,5-dione, 3,6- dimethyl-, (3Rcis)-, polymer with (3S-cis)-3,6-dimethyl-	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
67-48-1	2-hydroxy-N,N,N-trimethylethanaminium chloride	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
7727-54-0	Diammonium peroxodisulphate	STOT SE 3 (H335) Skin Irrit. 2 (H315) Ox. Sol 3 (H272) Acute Tox. 4 (H302) Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334)	No	No	No	No	No	No	No	No	No	Yes	Non-hazardous	
1333-73-9	Sodium borate		No	Yes									Non-hazardous	
3586-55-8	(Ethylenedioxy)dimethanol	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
10102-17-7	Sodium thiosulfate, pentahydrate	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
102-71-6	2,2',2"-nitrioltriethanol	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
1310-73-2	Sodium hydroxide	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
25038-72-6	Vinylidene chloride/methylacrylate copolymer	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
527-07-1	Sodium gluconate	Not classified	No	No	No	No	No	No	No	No	No	Yes	Non-hazardous	
7631-86-9	Silicon Dioxide (Impurity)	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	Listed as PLONOR according OSPAR
14807-96-6	Magnesium silicate hydrate (talc)	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
9002-84-0	poly(tetrafluoroethylene)	Not classified	No	No	No	No	No	Not known	No	No	No	No	Non-hazardous	
72283-36-4	Oxirane, 2-methyl-, polymer with oxirane, mono-(9Z)-9-octadecenoate, methyl ether	Not classified	No	No	No	No	No	No	No	No	No	No	Non-hazardous	
9004-67-5	Cellulose, methyl ether	Not classified	No	No	No	No	No	No	No	No	No		Non-hazardous	
39322-78-6	Phosphoric acid, dodecyl ester, potassium salt	Skin Irrit. (H315) Eye Dam. (H318)	No	No	No	No	No	No	No	No	No		Non-hazardous	