

Hydraulic Fracturing Fluid Product Component Information Disclosure

NM OIL CONSERVATION
ARTESIA DISTRICT

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Frac Focus
Chemical Disclosure Registry



	10/14/2017
	11/14/2017
	New Mexico
	Eddy
	30-015-43704-00-00
	CHISHOLM ENERGY OPERATING, LLC
	Cottonwood 29-32 FE 2H
	32.01995500
	-104.31968000
	NAD83
	YES
	NO
	6,716
	10,065,782
	0

Hydraulic Fracturing Fluid Composition:

Water	Schlumberger	Corrosion Inhibitor, Non-Emulsifying Agent, B536 Biocide C-Quat 1440, Acid, Friction Reducer, Scale Inhibitor, Chelating Agent, Fluid Loss Additive ,				
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				Water (Including Mix Water Supplied by Client)*	7732-18-5		89.22333	
Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.								
				Quartz, Crystalline silica	14808-60-7	99.26257	10.69720	
				Hydrochloric acid	7647-01-0	0.42125	0.04540	
				Distillates, petroleum, hydrotreated light	64742-47-8	0.08796	0.00948	
				Acrylamide/ammonium acrylate copolymer	26100-47-0	0.06701	0.00722	
				Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.04378	0.00472	
				Ammonium chloride	12125-02-9	0.04188	0.00451	
				Calcium magnesium sodium phosphate frit	65997-18-4	0.02570	0.00277	
				Sorbitan monooleate	1338-43-8	0.00838	0.00090	
				Ethoxylated oleic acid	9004-96-0	0.00838	0.00090	
				Ethanol	64-17-5	0.00547	0.00059	
				Tetrasodium ethylenediaminetetraacetate	64-02-8	0.00380	0.00041	
				Methanol	67-56-1	0.00287	0.00031	
				Sorbitol Tetraoleate	61723-83-9	0.00251	0.00027	
				Sodium sulfocyanate	540-72-7	0.00218	0.00023	
				2-Propenoic acid, ammonium salt	10604-69-0	0.00205	0.00022	
				Fatty acids, tall-oil	61790-12-3	0.00200	0.00022	
				Alcohols, C10-C16, ethoxylated	68002-97-1	0.00168	0.00018	
				Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00165	0.00018	
				Alcohols, C12-C14, ethoxylated	68439-50-9	0.00126	0.00014	
				Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00131	0.00014	

			C14 alpha olefin ethoxylate	84133-50-6	0.00126	0.00014	
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00126	0.00014	
			Isopropyl alcohol	67-63-0	0.00083	0.00009	
			Polymer of fatty acid	Proprietary	0.00070	0.00008	
			Propargyl alcohol	107-19-7	0.00052	0.00006	
			2-Propenamid (impurity)	79-06-1	0.00038	0.00004	
			Alcohols, C11-14-iso, C13-rich, ethoxylated	78330-21-9	0.00037	0.00004	
			Sodium Glycolate (impurity)	2836-32-0	0.00031	0.00003	
			Hexadec-1-ene	629-73-2	0.00017	0.00002	
			Trisodium nitrilotriacetate (impurity)	5064-31-3	0.00005	0.00001	
			Sodium hydroxide	1310-73-2	0.00013	0.00001	
			Disodium Ethylene Diamine Tetra Acetate (impurity)	139-33-3	0.00010	0.00001	
			Octadec-1-ene	112-88-9	0.00009	0.00001	
			Formaldehyde	50-00-0	0.00001	0.00001	
			Trisodium Ethylenediaminetetraacetate (impurity)	150-38-9	0.00010	0.00001	

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)