

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/30/2023
Job End Date:	10/23/2023
State:	Texas
County:	Ward
API Number:	42-475-38539-00-00
Operator Name:	Continental Resources, Inc
Well Name and Number:	UTL 0708A 0601H
Latitude:	31.64721200
Longitude:	-103.26019800
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	11,027
Total Base Water Volume (gal):	18,537,347
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
WATER	CONTINENTAL RESOURCES	CARRIER/BASE FLUID					
			WATER	7732-18-5	100.00000	87.81434	None
100 MESH REGIONAL	ATLAS SAND COMPANY LLC	PROPPING AGENT					
			CRYSTALLINE SILICA	14808-60-7	99.90000	11.87149	None
			ALUMINUM OXIDE	1344-28-1	1.00000	0.11883	None
15% HCL	TARQUIN	ACID					
			WATER	7732-18-5	90.00000	0.15030	None
			HYDROGEN CHLORIDE	7647-01-0	15.00000	0.02505	None
NHV-83	KEMIRA CHEMICALS, INC.	FRICTION REDUCER					
			HYDROTREATED DISTALLATE, LIGHT	64742-47-8	30.00000	0.03631	None
			AMMONIUM CHLORIDE	12125-02-9	5.00000	0.00605	None
			ETHOXYLATED CASTOR OIL	61791-12-6	1.00000	0.00121	None
NSI-24	RSI CHEMICALS	SCALE INHIBITOR					
			AMINE CHLORIDE	Proprietary	12.00000	0.00162	None
			AMINE PHOSPHONATE	Proprietary	12.00000	0.00162	None
			POLYPHOSPHONIC ACID	Proprietary	12.00000	0.00162	None

			AMMONIUM CHLORIDE	12125-02-9	1.00000	0.00013	None
NCI-24	NEXTIER COMPLETION SOLUTIONS	CORROSION INHIBITOR					
			ACETIC ACID	64-19-7	30.00000	0.00023	None
			PRYRDINIUM, 1 (phenylmethyl)-, ethyl methyl derivs., chlorides	68909-18-2	30.00000	0.00023	None
			PROPRIETARY ETHOXYLATED ALCOHOLS	Proprietary	30.00000	0.00023	None
			METHANOL	67-56-1	30.00000	0.00023	None
			PROPRIETARY CHELATING AGENT 1	Proprietary	10.00000	0.00008	None
			PROPRIETARY CHELATING AGENT 2	Proprietary	10.00000	0.00008	None
			2-ETHYLHEXANOL	104-76-7	5.00000	0.00004	None
			BRANCHED NONYLPHENOL POLYETHYLENE GLYCOL ETHER	127087-87-0	5.00000	0.00004	None

Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.

Other Chemical(s)	Listed Above	See Trade Name(s) List					
			WATER	7732-18-5	90.00000	0.15030	
			ALUMINUM OXIDE	1344-28-1	1.00000	0.11883	
			AMMONIUM CHLORIDE	12125-02-9	5.00000	0.00605	
			AMINE PHOSPHONATE	Proprietary	12.00000	0.00162	
			AMINE CHLORIDE	Proprietary	12.00000	0.00162	
			ETHOXYLATED CASTOR OIL	61791-12-6	1.00000	0.00121	
			ACETIC ACID	64-19-7	30.00000	0.00023	
			PROPRIETARY ETHOXYLATED ALCOHOLS	Proprietary	30.00000	0.00023	
			METHANOL	67-56-1	30.00000	0.00023	
			AMMONIUM CHLORIDE	12125-02-9	1.00000	0.00013	
			PROPRIETARY CHELATING AGENT 2	Proprietary	10.00000	0.00008	
			PROPRIETARY CHELATING AGENT 1	Proprietary	10.00000	0.00008	
			2-ETHYLHEXANOL	104-76-7	5.00000	0.00004	
			BRANCHED NONYLPHENOL POLYETHYLENE GLYCOL ETHER	127087-87-0	5.00000	0.00004	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

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

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)