SANTRATION:  Ingredients  Water Water Listed Below	9. OGRID 12. Produ 14. Gross 18. Total V	Feet from:933	Maximum Ingredient Concentration in HF Fluid (% by mass)  45.70008% 37.60028% 0% 0% 0% 0%
Ingredients  Water Water Usted Below Listed Below	12. Produ 14. Gross 16. Total \( \) 18. Percer  (CAS #) Chemical Abstract Service #  7732-18-5 Listed Below	Feet from:859   E	Maximum Ingredient   Concentration in HF Fluid (% by mass)   45.70008%   0.9%
Ingredients  Water Water Usted Below Listed Below	12. Produ 14. Gross 16. Total \( \) 18. Percer  (CAS #) Chemical Abstract Service #  7732-18-5 Listed Below	Feet from:933   Feet from:859   E	Maximum Ingredient Concentration in HF Fluid (% by mass)  45.70008% 37.60028% 0% 0% 0% 0% 0% 0%
Ingredients  Water Water Usted Below Listed Below	12. Produ 14. Gross 16. Total \( \) 18. Percer  (CAS #) Chemical Abstract Service #  7732-18-5 Listed Below	32.22282127 7. County: Eddy Eddy 228937 10. Phone Numb Ction Type: G Fractured Interval: 10,917 ft to 15,219 ft Volume of Fluid Pumped: 7,764,835 gals nt of Re-Use Water in Fluid Pumped: Not Disclosed  t Maximum Ingredient Concentration in Additive (% by mass) 100% 100% 9% 9% 9% 9% 9% 9% 9% 9% 9% 9% 9%	-104.081313  Maximum Ingredient Concentration in HF Fluid (% by mass)  45.70008%  37.60028%  0%  0%  0%  0%  0%  0%  0%
Ingredients  Water Water Usted Below Listed Below	12. Produ 14. Gross 16. Total \( \) 18. Percer  (CAS #) Chemical Abstract Service #  7732-18-5 Listed Below	ction Type: G Fractured Interval: 10,917 ft to 15,219 ft /olume of Fluid Pumped: 7,764,835 gals nt of Re-Use Water in Fluid Pumped: Not Disclosed  t	Maximum Ingredient Concentration in HF Fluid (% by mass)  45.70008% 37.60028% 0% 0% 0% 0% 0% 0%
Ingredients  Water Water Usted Below Listed Below	14. Gross  16. Total V  18. Percei  18. Percei  18. Percei  18. Percei  18. Percei  7732-18-5  7732-18-5  Listed Below	G Fractured Interval: 10,917 ft to 15,219 ft Volume of Fluid Pumped: 7,764,835 gals nt of Re-Use Water in Fluid Pumped: Not Disclosed  t Maximum Ingredient Concentration in Additive (% by mass) 100% 0% 0% 0% 0% 0% 0% 0% 0%	Concentration in HF Fluid (% by mass)  45.70008%  37.60028%  0%  0%  0%  0%  0%  0%  0%  0%  0%
Ingredients  Water Water Usted Below Listed Below	(CAS #) Chemical Abstract Service #  7732-18-5 7732-18-5 Listed Below	7,764,835 gals  to f Re-Use Water in Fluid Pumped:  Not Disclosed   **Maximum Ingredient** Concentration in Additive (% by mass)  100% 100% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	Concentration in HF Fluid (% by mass)  45.70008%  37.60028%  0%  0%  0%  0%  0%  0%  0%  0%  0%
Ingredients  Water Water Usted Below Listed Below	Service #  7732-18-5  7732-18-5  Listed Below	Concentration in Additive (% by mass)  100%  100%  0%  0%  0%  0%  0%  0%  0%	Concentration in HF Fluid (% by mass)  45.70008%  37.60028%  0%  0%  0%  0%  0%  0%  0%  0%  0%
Water Listed Below	7732-18-5 Listed Below	100% 100% 0% 0% 0% 0% 0% 0% 0% 0%	45.70008% 37.60028% 0% 0% 0% 0% 0% 0%
Listed Below	Listed Below	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0%
Listed Below	Listed Below	0% 0% 0% 0% 0%	0% 0%
hibitor Listed Below Listed Below Listed Below Listed Below tor Listed Below	Listed Below	0% 0% 0% 0% 0%	0%
Listed Below tor Listed Below Listed Below Additive Listed Below Listed Below Listed Below Listed Below Listed Below Listed Below	Listed Below Listed Below Listed Below Listed Below Listed Below Listed Below	0% 0%	
tor Listed Below	Listed Below Listed Below Listed Below Listed Below	0%	0%
Listed Below Listed Below Listed Below	Listed Below	0%	0% 0%
Listed Below	Listed Below	0% 0%	
ARC TRESONNESS CONTRACT		0%	0%
nt Listed Below	Listed Below	0%	0%
	Listed Below	0% 0%	
e 9-Octadecenamide, n,n-bis-2(hydroxy- ethyl)-,(Z)	10 No. 10	5%	0.00161%
Alcohols, C12-13, ethoxylated Alcohols, C12-16,	66455-14-9 68551-12-2	30%	
ethoxylated Ammonium chloride	12125-02-9	30%	0.00722%
Ammonium persulfate	7727-54-0 Proprietary	100%	
Calcium chloride Castor oil,	10043-52-4 61791-12-6	1% 5%	0.00057%
ethoxylated Crystalline silica,	14808-60-7	100%	16.1587%
Cured acrylic resin Diammonium	Proprietary 7783-28-0	30% 5%	
Ethanol	64-17-5 S Proprietary	1%	
Ethylene oxide Fatty acids, tall oil	75-21-8 Proprietary	0.01% 30%	0% 0.00012%
Guar gum	9000-30-0	100%	0.10951%
petrolem distillates Hemicellulase	9012-54-8	30%	3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
Hydrochloric acid	7647-01-0 64742-47-8	60%	
petroleum distillate Inorganic mineral	Proprietary	5%	0.00341%
Lactose	63-42-3	100%	0.00013%
hexahydrate Methanol	67-56-1	60%	0.00027%
Organic	Proprietary	60%	
Phosphoric acid Polyacrylate	7664-38-2 Proprietary	0.1% 30%	0.00964%
Polymer	Proprietary	1%	0.00068%
Quaternary ammonium	68424-85-1		
		1940	0.0000
acetophenone, formaldehyde, thiourea and oleic acid in dimethyl	68527-49-1	30%	0.00012%
Sobitan, mono-9- octadececenoate, (2		5%	
Sodium chloride	7647-14-5	100% 30% 30%	0.01913%
Water	7732-18-5	100%	
ame: Ava Monroe		Title: Engineering Tech	-3
sscribed in 29 CFR 1910.1200. NMO	CD does not require the reportin	ng or disclosure of proprietary, trade secret	or confidential business information.
	Ammonium persulfate Borate salts Calcium chloride Castor oil, ethoxylated Crystalline silica, quartz Cured acrylic resin Diammonium phosphate Ethanol Ethoxylated alcohol Ethylene oxide Fatty acids, tall oil Glutaraldehyde Guar gum Hdrotreated light petrolem distillates Hemicellulase enzyme Hydrochloric acid Hydrotreated light petroleum distillate Inorganic mineral Inorganic salt Lactose Magnesium chloride hexahydrate Methanol Olefins Organic phosphonate Phosphoric acid Polyacrylate Polylactide resin Polymer Propargyl alcohol Quaternary ammonium compounds, benzyl C12-16-alkyldimeth chlorides Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide Sobitan, mono-9- octadececenoate, (a. Sodium bicarbonate Sodium chloride Sodium chloride Sodium hydroxide Water Form is true and complete to the bes ame: Ava Monroe	Ammonium persulfate Borate salts Proprietary Calcium chloride Castor oil, 61791-12-6 ethoxylated Crystalline silica, 14808-60-7 quartz Cured acrylic resin Proprietary Diammonium 7783-28-0 phosphate Ethanol 64-17-5 Ethoxylated alcohols Proprietary Ethylene oxide 75-21-8 Fatty acids, tall oil Proprietary Glutaraldehyde 111-30-8 Guar gum 9000-30-0 Hdrotreated light petrolem distillates Hemicellulase enzyme Hydrochloric acid 7647-01-0 Hydrotreated light petrolem distillates Inorganic mineral Proprietary Lactose 63-42-3 Magnesium chloride hexahydrate Methanol 67-56-1 Olefins Proprietary Organic Proprietary Polylactide resin Proprietary Polylactide resin Proprietary Propargyl alcohol 107-19-7 Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl chlorides Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide Sobitan, mono-9- octadececenoate, (Z) Sodium bicarbonate Ava Monroe	Ammonium persulfate Borate salts Proprietary 60% Calcium chloride 10043-52-4 1% Castor oil, 61791-12-6 5% ethoxylated Crystalline silica, quartz 14808-60-7 100% quartz Cured acrylic resin Proprietary 30% Diammonium 7783-28-0 5% phosphate Ethanol 64-17-5 1% Ethoxylated alcohols Proprietary 30% Ethylene oxide 75-21-8 0.01% Fathy acids, tall oil Proprietary 30% Glutaraldehyde 111-30-8 30% Glutaraldehyde 111-30-8 30% Glutarelidistes Hemicellulase 9012-54-8 9012-54-8 enzyme Hydrochloric acid 7647-01-0 60% Hydrotreated light petrolem distillates Inorganic mineral Proprietary 5% Inorganic salt Proprietary 5% Inorganic mineral Proprietary 5% Inorganic salt Proprietary 5% Proprietary 5% Organic Proprietary 100% Polylactide resin Proprietary 100% Polymer Proprietary 100% Gestation of Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide Sobitan, mono-9 octadececenoate, (Z) Sodium bloinde 7647-14-5 30% Sodium bloinde 7647-14-5