



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date: 01/08/2025
Job End Date: 02/12/2025
State: Pennsylvania
County: Westmoreland
API Number: 37-129-29248-00-01
Operator Name: CNX Gas Company LLC
Well Name and Number: MAM15DHSU
Latitude: 40.532526
Longitude: -79.548088
Datum: NAD83
Federal Well: NO
Indian Well: NO
True Vertical Depth: 13606
Total Base Water Volume (gal)*: 28072548
Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	86.81222
Crystalline Silica in the form of Quartz	14808-60-7	13.03342
Distillates (petroleum), hydrotreated light	64742-47-8	0.03011
Hydrogen chloride	7647-01-0	0.02772
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	0.00602
Glutaraldehyde	111-30-8	0.00244
AA/ATBS Co-polymer	9003-05-8	0.00104
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00104
Didecyl dimethyl ammonium chloride	7173-51-5	0.00037
Quaternary Ammonium Compounds	68424-85-1	0.00037
Citric acid	77-92-9	0.00031
Methyl alcohol	67-56-1	0.00031
Ethanol	64-17-5	0.00018
Ethylene glycol	107-21-1	0.00009
N,N-Dimethylformamide	68-12-2	0.00004
2-Butoxyethanol	111-76-2	0.00002
Cinnamaldehyde	104-55-2	0.00002
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00002
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00002



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date: 01/08/2025
Job End Date: 02/12/2025
State: Pennsylvania
County: Westmoreland
API Number: 37-129-29214-00-01
Operator Name: CNX Gas Company LLC
Well Name and Number: MAM15EHSU
Latitude: 40.532526
Longitude: -79.548088
Datum: NAD83
Federal Well: NO
Indian Well: NO
True Vertical Depth: 13640
Total Base Water Volume (gal)*: 29208774
Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	86.71446
Crystalline Silica in the form of Quartz	14808-60-7	13.13222
Distillates (petroleum), hydrotreated light	64742-47-8	0.03059
Hydrogen chloride	7647-01-0	0.02723
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	0.00612
Glutaraldehyde	111-30-8	0.00241
AA/ATBS Co-polymer	9003-05-8	0.00105
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00105
Didecyl dimethyl ammonium chloride	7173-51-5	0.00036
Quaternary Ammonium Compounds	68424-85-1	0.00036
Citric acid	77-92-9	0.00034
Methyl alcohol	67-56-1	0.00033
Ethanol	64-17-5	0.00018
Ethylene glycol	107-21-1	0.00009
N,N-Dimethylformamide	68-12-2	0.00005
2-Butoxyethanol	111-76-2	0.00002
Cinnamaldehyde	104-55-2	0.00002
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00002
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00002



Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date: 01/23/2025
Job End Date: 02/13/2025
State: Pennsylvania
County: Westmoreland
API Number: 37-129-29247-00-01
Operator Name: CNX Gas Company LLC
Well Name and Number: MAM15FHSU
Latitude: 40.532526
Longitude: -79.548088
Datum: NAD83
Federal Well: NO
Indian Well: NO
True Vertical Depth: 13654
Total Base Water Volume (gal)*: 30182544
Total Base Non Water Volume: 0

Hydraulic Fracturing Fluid Composition

Ingredient	CAS Number	% HF Fluid
Water	7732-18-5	86.80055
Crystalline Silica in the form of Quartz	14808-60-7	13.05741
Distillates (petroleum), hydrotreated light	64742-47-8	0.03091
Hydrogen chloride	7647-01-0	0.02393
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	0.00618
Glutaraldehyde	111-30-8	0.00269
AA/ATBS Co-polymer	9003-05-8	0.00101
AA/Maleic Anhydride Co-polymer	9003-04-7	0.00101
Didecyl dimethyl ammonium chloride	7173-51-5	0.00040
Quaternary Ammonium Compounds	68424-85-1	0.00040
Citric acid	77-92-9	0.00029
Methyl alcohol	67-56-1	0.00029
Ethanol	64-17-5	0.00020
Ethylene glycol	107-21-1	0.00008
N,N-Dimethylformamide	68-12-2	0.00004
2-Butoxyethanol	111-76-2	0.00002
Cinnamaldehyde	104-55-2	0.00002
Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-, branched	127087-87-0	0.00002
Tar Bases, quinoline derivs, benzyl chloride-quat	72480-70-7	0.00002