| oppant Transport Schlumberger | AND CONCENTR Purpose Acid Corrosion Inhibitor, Gelling Agent, Water Gelling Agent, Non- Emulsifying Agent, Temporary Clay Printed Name s.com | Ingredients Water (Including Mix Water Suppiled by Client) Quartz, Crystalline silica Guar gum Ulexite Ulexite Hydrochloric acid 2-hydroxy-N,N-trimethylethanaminium chloride Ethylene Glycol 1,4-bioxane-2,5-dione, 3,6-diwthyl-, (3,5-3,6-diwthyl-) Sodium hydroxide Ethylene Glycol 1,4-bioxane-2,5-dione, 3,6-diwthyl-, (3,5-3,6-diwthyl-) Sodium hydroxide Distillates, petroleum, hydrotreated light by Colium hydroxide Distillates, petroleum, hydrotreated light by Colium hydroxide Diamanonium endoride Acrylamide/ammonium acrylate copolymer Sodium chloride Acrylamide/ammonium acrylate copolymer Sodium chloride Polyethylene glycol monohexyl ether Calcium endoride dethylene glycol monohexyl ether Calcium-endoride acid Vinylidene chloride/methylacrylate copolymer Sorbitan monoleate Ethoxylated oleic acid Tetrasodium ethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Diidenediaminetetraacetate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Dicoco dimethyl quaternary ammoniol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Dicoco dimethyl quaternary ammoniol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ethylene Oxide Potassium salt Magnesium coxide Fatty acid, tall-oil reaction products with acetophenon- Alcohols, C12-C14, ethoxylated Diutan glycolate (impurity) 1, 2, 3 - Propanetriol 2, Propenamid (impurity) 2, 4-Bo | 14. Grown 16. To 18. Pe | 32,313,1384 7. County: Eddy | Maximum Ingredient Concentration in HF Fluid by mass) |
|--|---|--|--|--|--|
| Lest Fracture Date: 9/10/2017 Frac Performed Pool Code(e): 9/08/2017 Frac Performed Trul Vetrical Depth (TVD): 9/08/2017 Frac Performed Pool Supplier Supplier Supplier Schlumberger Schlumberger Frac Performed Fr | AND CONCENTR Purpose Acid Corrosion Inhibitor, Gelling Agent, Water Gelling Agent, Non- Emulsifying Agent, Temporary Clay Printed Name s.com | Ingredients Water (Including Mix Water Suppiled by Client) Quartz, Crystalline silica Guar gum Ulexite Ulexite Hydrochloric acid 2-hydroxy-N,N-trimethylethanaminium chloride Ethylene Glycol 1,4-bioxane-2,5-dione, 3,6-diwthyl-, (3,5-3,6-diwthyl-) Sodium hydroxide Ethylene Glycol 1,4-bioxane-2,5-dione, 3,6-diwthyl-, (3,5-3,6-diwthyl-) Sodium hydroxide Distillates, petroleum, hydrotreated light by Colium hydroxide Distillates, petroleum, hydrotreated light by Colium hydroxide Diamanonium endoride Acrylamide/ammonium acrylate copolymer Sodium chloride Acrylamide/ammonium acrylate copolymer Sodium chloride Polyethylene glycol monohexyl ether Calcium endoride dethylene glycol monohexyl ether Calcium-endoride acid Vinylidene chloride/methylacrylate copolymer Sorbitan monoleate Ethoxylated oleic acid Tetrasodium ethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Diidenediaminetetraacetate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Dicoco dimethyl quaternary ammoniol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Dicoco dimethyl quaternary ammoniol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ethylene Oxide Potassium salt Magnesium coxide Fatty acid, tall-oil reaction products with acetophenon- Alcohols, C12-C14, ethoxylated Diutan glycolate (impurity) 1, 2, 3 - Propanetriol 2, Propenamid (impurity) 2, 4-Bo | 14. Grown 16. To 18. Pe | G G 9,447 ft to 13,794 ft tal Volume of Fluid Pumped: 6,799,380 gals recent of Re-Use Water in Fluid Pumped: Not Disclosed Abstract Maximum Ingredient Concentration in Additive (% I mass) 0.59 0.31 0.21 0.18 0.05 0.05 0.04 0.05 0.05 0.04 0.05 | Section Sect |
| HYDRAULIC FLUID COMPOSITION A de Name Supplier Suppart Transport Schlumberger Froprietary Technology Last Garden and Composition and Composi | Acid Corrosion Inhibitor, Gelling Agent, Water Gelling Agent, Non- Emulsifying Agent, Temporary Clay | Ingredients Water (Including Mix Water Suppiled by Client) Quartz, Crystalline silica Guar gum Ulexite Ulexite Hydrochloric acid 2-hydroxy-N,N-trimethylethanaminium chloride Ethylene Glycol 1,4-bioxane-2,5-dione, 3,6-diwthyl-, (3,5-3,6-diwthyl-) Sodium hydroxide Ethylene Glycol 1,4-bioxane-2,5-dione, 3,6-diwthyl-, (3,5-3,6-diwthyl-) Sodium hydroxide Distillates, petroleum, hydrotreated light by Colium hydroxide Distillates, petroleum, hydrotreated light by Colium hydroxide Diamanonium endoride Acrylamide/ammonium acrylate copolymer Sodium chloride Acrylamide/ammonium acrylate copolymer Sodium chloride Polyethylene glycol monohexyl ether Calcium endoride dethylene glycol monohexyl ether Calcium-endoride acid Vinylidene chloride/methylacrylate copolymer Sorbitan monoleate Ethoxylated oleic acid Tetrasodium ethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Froilan-2-old Silicon Dioxethylenediaminetetraacetate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Diidenediaminetetraacetate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Dicoco dimethyl quaternary ammoniol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ethoxylated Dicoco dimethyl quaternary ammoniol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ethylene Oxide Potassium salt Magnesium coxide Fatty acid, tall-oil reaction products with acetophenon- Alcohols, C12-C14, ethoxylated Diutan glycolate (impurity) 1, 2, 3 - Propanetriol 2, Propenamid (impurity) 2, 4-Bo | (CAS #) Chemical Service # CAS Not Assign 14808-60-7 9000-30-0 1319-33-1 7647-01-0 67-48-1 9051-89-2 1310-73-2 64742-47-8 1303-96-4 111-30-8 7727-54-0 7786-30-3 26100-47-0 7647-14-5 12125-02-9 31726-34-8 10043-52-4 110-17-8 25038-72-6 9004-96-0 Ge0eral 56-63-0 7631-86-9 78330-20-8 68603-42-9 68551-12-2 61789-77-3 61723-83-9 540-72-7 10604-69-0 1309-48-4 68188-40-9 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-40-7 104-55-2 2 | Not Disclosed Abstract Maximum Ingredient Concentration in Additive (% tomass) | Section Sect |
| roprietary Technology To as Operator The Signate Electronically The Signate Si | Agent, Water Gelling Agent, Non- Emulsifying Agent, Temporary Clay Printed Name s.com | Quartz, Crystalline silica Guar gum Ulexite Hydrochloric acid 2-hydroxy-N.N-trimethylethanaminium chloride Ethylene Glycol 1,4-Dioxane-2,5-dione, 3,6-dimethyl-, (3Rcis)-, polymer with (3S-cis)-3,6-dimethyl- Sodium hydroxide Distillates, petroleum, hydrotreated light Sodium Tetraborate Decahydrate Glutaraldehyde Diammonium peroxidisulphate Magnesium chloride Acrylamide/ammonium acrylate copolymer Sodium Chloride Ammonium chloride Ammonium chloride Ammonium chloride Ammonium chloride Ammonium chloride Dolythylene glycol monohexyl ether Calcium chloride but-2-enedioic acid Vinylidene chloride/methylacrylate copolymae Sorbitan monooleate Ethoxylated oleic acid Tetrasodium ethylenediaminetetraacetate Propan-2-ol Silicon Dioxide Alcohol, C9-11-iso, C10, ethoxylated Aidohol, C9-11-iso, C10, ethoxylated Dicoco dimethyl quaternary ammonium chloride Sorbitol Tetraoleate C14 alpha olefin ethoxylate Alcohols, C12-C14, ethoxylated C14 alpha olefin ethoxylate Alcohols, C12-C14, ethoxylated C14 alpha olefin ethoxylate Alcohols, C10-C16, eth | 9000-30-0 1319-33-1 7647-01-0 67-48-1 107-21-1 9051-89-2 1310-73-2 64742-47-8 1303-96-4 111-30-8 7727-54-0 7786-30-3 26100-47-0 7647-14-5 12125-02-9 31726-34-8 10043-52-4 110-17-8 25038-72-6 1338-43-8 9004-96-0 Ge0eral 67-63-0 7631-86-9 78330-20-8 68603-42-9 68551-12-2 61789-77-3 61723-83-9 540-72-7 10604-69-0 1309-48-4 68188-40-9 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-40-7 104-55-2 2836-32-0 Proprietary 68953-58-2 Ge0eral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 75064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 | 0.59 0.31' 0.18' 0.18' 0.05' 0.05' 0.04' 0.03' 0.04' 0.05' 0 | % O. |
| as Operator, hereby certify that the information shown and the state of the state o | Printed Name | Ethylene Glycol 1,4-Dioxane-2,5-dione, 3,6-dimethyl-, (3Rcis)-, polymer with (3S-cis)-3,6-dimethyl-Sodium hydroxide Distillates, petroleum, hydrotreated light Sodium Tetraborate Decahydrate Glutaraldehyde Diammonium peroxidisulphate Magnesium chloride Acrylamide/ammonium acrylate copolymer Sodium chloride Polyethylene glycol monohexyl ether Calcium chloride Polyethylene glycol monohexyl ether Calcium chloride but-2-enedioic acid Vinylidene chloride/methylacrylate copolymer Sorbitan monooleate Ethoxylated oleic acid Tetrasodium ethylenediaminetetraacetate Propan-2-ol Silicon Dioxide Alcohol, C9-11-iso, C10, ethoxylated Amides, coco, N,N-bis(hydroxyethyl) Alcohols, C12-C16, ethoxylated Dicoco dimethyl quaternary ammonium salt Magnesium oxide Fatty acid, tall-oil reaction products with acetophenon Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Sodium sulfocyanate 2-Propenoic acid, ammonium salt Magnesium oxide Fatty acid, tall-oil reaction products with acetophenon Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Alcohols, C12-C14, ethoxylated Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite Sorbiton Ethylene Diamine Tetra Acetate (impurity) 1,2,3 - Propanetriol 2,2 - iminodiethanol Magnesium silicate hydrate (talco) Alcohols, C11-14-iso, C13-rich, ethoxylated Diutan gum Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) 1,2,3 - Propanetriol 2,2 - iminodiethanol Magnesium salts Amines, allow alkyl, ethoxylated Diverne, acid, and rosin acids, potassium salts Amines, clacoa alkylmethyl Disodium Ethylenelomineteraacetat (impurity) 1-1-2, and rosin acids, potassium salts Amines, clacoa olaylenelomyl Alcohols, C12-13, ethoxylated C14-alpha olefin ethoxylate C15-alpha-olefin ethoxylate C16-alpha-olefin ethoxylate C17-alpha-olefin ethoxylate C18-alpha-olefin ethoxylate C18-alpha-olefin ethoxylate C19-alpha-ole | 9051-89-2 1310-73-2 64742-47-8 1303-96-4 111-30-8 7727-54-0 7786-30-3 26100-47-0 7647-14-5 12125-02-9 31726-34-8 10043-52-4 110-17-8 25038-72-6 1338-43-8 9004-96-0 Ge0eral 67-63-0 7631-86-9 78330-20-8 68603-42-9 68551-12-2 61789-77-3 61723-83-9 540-72-7 10604-69-0 1309-48-4 68188-40-9 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-45-7 124-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 26183-52-8 7447-40-7 104-55-2 27306-79-2 1330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 9002-92-0 39322-78-6 9016-88-0 61789-40-0 127306-79-2 755-21-8 9043-30-5 52-51-7 75-21-8 904 Nowledge and Manual Residual Resid | 0.056 0.044 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.033 0.022 0.011 0.011 0.011 0.011 0.011 0.011 0.01 | % O.G. % |
| as Operator, hereby certify that the information shown atture: Signed Electronically 10/31/2017 amil Address: amonroe@matadorresources D does not require the reporting of information beyone | Printed Name | Sodium Tetraborate Decahydrate Glutaraldehyde Diammonium peroxidisulphate Magnesium chloride Acrylamide/ammonium acrylate copolymer Sodium chloride Polyethylene glycol monohexyl ether Calcium chloride but-2-enedioic acid Vinylidene chloride/methylacrylate copolymer Sorbitan monooleate Ethoxylated oleic acid Tetrasodium ethylenediaminetetraacetate Propan-2-ol Silicon Dioxide Alcohol, C9-11-iso, C10, ethoxylated Alcohol, C9-11-iso, C10, ethoxylated Alcohols, C12-C16, ethoxylated Cook of the thickylated Alcohols, C12-C16, ethoxylated Dicoco dimethyl quaternary ammonium chloride Sorbitol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ammonium salt Magnesium oxide Fatty acid, tall-oil reaction products with acetophenon Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Alcohols, C10-C16, ethoxylated Diutan gum Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite 2-Propenamid (impurity) 1, 2, 3 - Propanetriol 2,2'-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C11-14-iso, C13- rich, ethoxylated Diutan gum Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite 2-Propenamid (impurity) 1, 2, 3 - Propanetriol 2,2'-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C12-13, ethoxylated Di-secondary-butylphenol w/10 moles of eo Amines, tallow alkyl, ethoxylated pokyterafluoroethyl-ne) ovicarae, emono-(9Z)-9- octadecenoate, methyl ethe Trisodium Ethylenediaminetetraacetate (impurity) Trisodium Ethylene Diamin Tetra Acetate (impurity) 1-ehosphoric acid, dodecyl ester, potaesium salts Amines, dicoco alkylmethyl Polymer of fatty acid Bis(hydrogenated tallow alkyl, ethoxylated colorose-condery-butylphenol w/10 moles of eo Amines, tallow alkyl, ethoxylated C12 fatly olorose-condery-butylene, monoterodery-butylene, monoterodery-butylene mono | 111-30-8 7727-54-0 7786-30-3 26100-47-0 7647-14-5 12125-02-9 31726-34-8 10043-52-4 110-17-8 25038-72-6 1338-43-8 9004-96-0 Ge0eral 67-63-0 7631-86-9 78330-20-8 68603-42-9 68551-12-2 61789-77-3 61723-83-9 540-72-7 10604-69-0 1309-48-4 68188-40-9 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-40-7 104-55-2 2836-32-0 Proprietary 68953-58-2 Ge0eral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 75064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 | 0.033 0.033 0.033 0.033 0.034 0.021 0.011 0.011 0.011 0.011 0.01 0.01 | % O.O. % |
| as Operator, hereby certify that the information shown atture: Signed Electronically 10/31/2017 amil Address: amonroe@matadorresources D does not require the reporting of information beyone | Printed Name | acrylate copolymer Sodium chloride Ammonium chloride Polyethylene glycol monohexyl ether Calcium chloride but-2-enedioic acid Vinylidene copolymer Sorbitan monooleate Ethoxylated oleic acid Tetrasodium ethylenediaminetetraacetate Propan-2-ol Silicon Dioxide Alcohol, C9-11-iso, C10, ethoxylated Amides, coco, N,N- bis(hydroxyethyl) Alcohols, C12-C16, ethoxylated Dicoco dimethyl quaternary ammonium chloride Sorbitol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ammonium salt Magnesium oxide Fatty acid, tall-oil reaction products with acetophenon. Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite Cinnamaldehyde Sodium Glycolate (impurity) 1, 2, 3 - Propanetriol 2,2'-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C11-14-iso, C13- rich, ethoxylated Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and r | 7647-14-5 12125-02-9 31726-34-8 10043-52-4 110-17-8 25038-72-6 1338-43-8 9004-96-0 GeOeral 67-63-0 7631-86-9 78330-20-8 68603-42-9 68551-12-2 61789-77-3 61723-83-9 540-72-7 10604-69-0 1309-48-4 68188-40-9 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-40-7 104-55-2 2836-32-0 Proprietary 68953-58-2 GeOeral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 5064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 61789-40-0 127306-79-2 1336-21-6 557-04-0 112-53-8 9043-30-5 52-51-7 75-21-8 | 0.02 0.02 0.01 0.01 0.01 0.01 0.01 0.01 | % % % % % % % % % % % % % % % % % % % |
| as Operator, hereby certify that the information shown nature: Signed Electronically e: 10/31/2017 nail Address: amonroe@matadorresources CD does not require the reporting of information beyone | Printed Name | Vinylidene chloride/methylacrylate copolymer Sorbitan monooleate Ethoxylated oleic acid Tetrasodium ethylenediaminetetraacetate Propan-2-ol Silicon Dioxide Alcohol, C9-11-iso, C10, ethoxylated Amides, coco, N,N-bis(hydroxyethyl) Alcohols, C12-C16, ethoxylated Diococ dimethyl quaternary ammonium chloride Sorbitol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ammonium salt Magnesium oxide Fatty acid, tall-oil reaction products with acetophenon. Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Alcohols, C12-C14, ethoxylated Diutan gum Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite 2-Propenamid (impurity) 1, 2, 3 - Propanetriol 2,2'-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C11-14-iso, C13-rich, ethoxylated Resin acids and rosin acids, potassium salts Amines, diococ alkylmethyl Disodium Ethylene Diamine acids, potassium salts Amines, diococ alkylmethyl Disodium Ethylene Diamine tria ocida, potassium salts Amines, diococ alkylmethyl Disodium Ethylene Diamine acids, potassium salts Amines, diococ alkylmethyl Trisodium itrilotriacetate (impurity) Trisodium Ethylene Diamine acids, potassium salt Amines, diococ alkylmethyl Disodium Ethylene Diamine acids, potassium salt Amines, diococ alkylmethyl Disodium Ethylene Diamine Tetra Acetate (impurity) Trisodium nitrilotriacetate (impurity) Alcohols, C12-13, ethoxylated Dodecyl poly(oxyethylene) ether Phosphoric acid, dodecyl ester, potassium salt 1,4-Benzenedicarboxylic acid, dodecyl ester, potas | 25038-72-6 1338-43-8 9004-96-0 Ge0eral 67-63-0 7631-86-9 78330-20-8 68603-42-9 68551-12-2 61789-77-3 61723-83-9 540-72-7 10604-69-0 1309-48-4 68188-40-9 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-40-7 104-55-2 2836-32-0 Proprietary 68953-58-2 Ge0eral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 5064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 61789-40-0 27306-79-2 1336-21-6 557-04-0 112-53-8 9043-30-5 52-51-7 75-21-8 of my knowledge and service services and servic | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | % % % % % % % % % % % % % % % % % % % |
| . as Operator, hereby certify that the information shown in a ture: Signed Electronically te: 10/31/2017 amonroe@matadorresources Do does not require the reporting of information beyone. | Printed Name | Silicon Dioxide Alcohol, C9-11-iso, C10, ethoxylated Amides, coco, N,N-bis(hydroxyethyl) Alcohols, C12-C16, ethoxylated Dicoco dimethyl quaternary ammonium chloride Sorbitol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ammonium salt Magnesium oxide Fatty acid, tall-oil reaction products with acetophenonic Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Alcohols, C10-C14, ethoxylated Diutan gum Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite 2-Propenamid (impurity) 1, 2, 3 - Propanetriol 2,2'-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C11-14-iso, C13-rich, ethoxylated Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, | 7631-86-9 78330-20-8 68603-42-9 68551-12-2 61789-77-3 61723-83-9 540-72-7 10604-69-0 1309-48-4 68188-40-9 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-40-7 104-55-2 2836-32-0 Proprietary 68953-58-2 Ge0eral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 5064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 61789-40-0 127306-79-2 1336-21-6 557-04-0 112-53-8 9043-30-5 52-51-7 75-21-8 | 000 000 000 000 000 000 000 000 000 00 | % % % % % % % % % % % % % % % % % % % |
| as Operator, hereby certify that the information shown in ture: Signed Electronically te: 10/31/2017 amonroe@matadorresources Do does not require the reporting of information beyone. | Printed Name | Dicoco dimethyl quaternary ammonium chloride Sorbitol Tetraoleate Sodium sulfocyanate 2-Propenoic acid, ammonium salt Magnesium oxide Fatty acid, tall-oil reaction products with acetophenone Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Alcohols, C12-C14, ethoxylated Diutan gum Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite 2-Propenamid (impurity) 1, 2, 3 - Propanetriol 2, 2'-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C11-14-iso, C13-rich, ethoxylated Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, potassium salts Amines, dicoco alkylmethyl Disodium Ethylene Diamine Tetra Acetate (impurity) Trisodium Ethylenediaminetetraacetat (impurity) Di-secondary-butylphenol w/10 moles of eo Amines, tallow alkyl, ethoxylated poly(tetrafluoroethylene) Oxirane, 2-methyl-, polymer with oxirane, mono-(9Z)-9-octadecenoate, methyl ethe Trisodium nitrilotriacetate (impurity) Alcohols, C12-13, ethoxylated Dodecyl poly(oxyethylene) ether Phosphoric acid, dodecyl ester, potassium salt 1,4-Benzenedicarboxylic acid, edicyl polycoxypoly(oxy-1,2-ethanediyl) 1-Propanaminum, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N- coco acyl derivatives, inner salts Glycols, polyethylene, monotetradecyl ether Ammonia, aqueous solution Magnesium searate C12 fatty alcohol C13 alcohol ethoxylate 2-bromo-2-nitropropane- 1,3-diol Oxirane Trisodium complete to the bese of the search of the penalty of the pe | 61723-83-9 540-72-7 10604-69-0 1309-48-4 68188-40-9 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-40-7 104-55-2 2836-32-0 Proprietary 68953-58-2 Ge0eral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 5064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 61789-40-0 112-53-8 9043-30-5 52-51-7 75-21-8 | 000 000 000 000 000 000 000 000 000 00 | % % % % % % % % % % % % % % % % % % % |
| as Operator, hereby certify that the information shown in ture: Signed Electronically te: 10/31/2017 amonroe@matadorresources Do does not require the reporting of information beyone. | Printed Name | Fatty acid, tall-oil reaction products with acetophenon. Alcohols, C10-C16, ethoxylated C14 alpha olefin ethoxylate Alcohols, C12-C14, ethoxylated Diutan gum Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite 2-Propenamid (impurity) 1, 2, 3 - Propanetriol 2,2'-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C11-14-iso, C13-rich, ethoxylated Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, potassium salts Amines, dicoco alkylmethyl Disodium Ethylene Diamine Tetra Acetate (impurity) Trisodium Ethylenediaminetetraacetat (impurity) Di-secondary-butylphenol w/10 moles of eo Amines, tallow alkyl, ethoxylated poly(tetrafluoroethylene) Oxirane, 2-methyl-, polymer with oxirane, mono-(9Z)-y-octadecenoate, methyl ethe Trisodium nitrilotriacetate (impurity) Alcohols, C12-13, ethoxylated Dodecyl poly(oxyethylene) ether Phosphoric acid, dodecyl ester, potassium salt 1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol and a-hydrow-hydroxypoly(oxy-1,2-ethanediol and a-hydrow-hydroxypolycoxypolylene, monotetradecyl ether Ammoria, aqueous solution Magnesium stearate C12 fatty alcohol C13 alcohol ethoxylate 2-bromo-2-nitropropane-1,3-diol Oxirane | 68002-97-1 84133-50-6 68439-50-9 125005-87-0 595585-15-2 26183-52-8 7447-40-7 104-55-2 2836-32-0 Proprietary 68953-58-2 Ge0eral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 75064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 61789-40-0 112-53-8 9043-30-5 52-51-7 75-21-8 of my knowledge an | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | % % % % % % % % % % % % % % % % % % % |
| as Operator, hereby certify that the information shown atture: Signed Electronically 10/31/2017 amil Address: amonroe@matadorresources D does not require the reporting of information beyone | Printed Name | Diutan Isodecanol w/6-7 Moles Ethylene Oxide Potassium chloride Cinnamaldehyde Sodium Glycolate (impurity) Polymer of fatty acid Bis(hydrogenated tallow alkyl)dimethylammonium bentonite 2-Propenamid (impurity) 1, 2, 3 - Propanetriol 2,2'-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C11-14-iso, C13-rich, ethoxylated Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, potassium salts Amines, dicoco alkylmethyl Disodium Ethylene Diamine Tetra Acetate (impurity) Trisodium Ethylenediaminetetraacetat (impurity) Di-secondary-butylphenol w/10 moles of eo Amines, tallow alkyl, ethoxylated poly(tetrafluoroethylene) Oxirane, 2-methyl-, polymer with oxirane, mono-(9Z)-9-octadecenoate, methyl ethe Trisodium nitrilotriacetate (impurity) Alcohols, C12-13, ethoxylated Dodecyl poly(oxyethylene) ether Phosphoric acid, dodecyl ester, potassium salt 1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol and a-hydro-whydroxypoly(oxy-1,2-ethanediyl) 1-Propanaminimum, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N- coco acyl derivatives, inner salts Glycols, polyethylene, monotetradecyl ether Ammonia, aqueous solution Magnesium stearate C12 fatty alcohol C13 alcohol ethoxylate 2-bromo-2-nitropropane- 1,3-diol Oxirane | 595585-15-2 26183-52-8 7447-40-7 104-55-2 2836-32-0 Proprietary 68953-58-2 Ge0eral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 5064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 61789-40-0 12-53-8 9043-30-5 52-51-7 75-21-8 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | % % % 1E-C % 1E- |
| as Operator, hereby certify that the information shown in ture: Signed Electronically te: 10/31/2017 amonroe@matadorresources Do does not require the reporting of information beyone. | Printed Name | Bis(hydrogenated tallow alkyl)dimethylammonium bentonite 2-Propenamid (impurity) 1, 2, 3 - Propanetriol 2,2-iminodiethanol Magnesium silicate hydrate (talc) Alcohols, C11-14-iso, C13-rich, ethoxylated Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, polymerized, esters with pentaerythritol Resin acids and rosin acids, potassium salts Amines, dicoco alkylmethyl Disodium Ethylene Diamine Tetra Acetate (impurity) Trisodium Ethylenediaminetetraacetat (impurity) Di-secondary-butylphenol w/10 moles of eo Amines, tallow alkyl, ethoxylated poly(tetrafluoroethylene) Oxirane, 2-methyl-, polymer with oxirane, arenono-(9Z)-9-octadecenoate, methyl ethe Trisodium nitrilotriacetate (impurity) Alcohols, C12-13, ethoxylated Dodecyl poly(oxyethylene) ether Phosphoric acid, dodecyl ester, potassium salt 1,4-Benzenedicarboxylic acid, polymer with 1,2-ethanediol and a-hydro-whydroxypoly(oxy-1,2-ethanediyl) 1-Propanaminimum, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N- coco acyl derivatives, inner salts Glycols, polyethylene, monotetradecyl ether Ammonia, aqueous solution Magnesium stearate C12 fatty alcohol C13 alcohol ethoxylate 2-bromo-2-nitropropane- 1,3-diol Oxirane | Ge0eral 56-81-5 111-42-2 14807-96-6 78330-21-9 65997-12-8 61790-50-9 61788-62-3 139-33-3 150-38-9 53964-94-6 61791-26-2 9002-84-0 72283-36-4 5064-31-3 66455-14-9 9002-92-0 39322-78-6 9016-88-0 61789-40-0 27306-79-2 1336-21-6 557-04-0 112-53-8 9043-30-5 52-51-7 75-21-8 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | % % % 1E-C % 1E-C % 1E-C % 1E-C % 1E-C |
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