

Frac Water Chemicals

| Chemical Components (From MSDS) | |
|--|--------------------------------|
| 2,2-Dibromo-3-Nitrilopropionamide | Glycol Ethers |
| 2-butoxyethanol | Guar gum |
| 2-methyl-4-isothiazolin-3-one | Hemicellulase Enzyme |
| 5-chloro-2-methyl-4-isothiazotin-3-one | Hydrochloric Acid |
| Acetic Acid | Hydrotreated light distillate |
| Acetic Anhydride | Hydrotreated Light Distilled |
| Aliphatic Acid | Isopropanol |
| Aliphatic Alcohol Polyglycol Ether | Isopropyl Alcohol |
| Ammonia Persulfate | Magnesium Nitrate |
| Aromatic Hydrocarbon | Mesh Sand (Crystalline Silica) |
| Aromatic Ketones | Methanol |
| Boric Acid | Mineral Spirits |
| Boric Oxide | Monoethanolamine |
| Butan-1-01 | Petroleum Distillate Blend |
| Citric Acid | Petroleum Distillates |
| Crystalline Silica: Cristobalite | Polyethoxylated Alkanol (1) |
| Crystalline Silica: Quartz | Polyethoxylated Alkanol (2) |
| Dazomet | Polyethylene Glycol Mixture |
| Diatomaceous Earth | Polysaccharide |
| Diesel (use discontinued) | Potassium Carbonate |
| Ethane-1,2-diol | Potassium Hydroxide |
| Ethoxylated Alcohol | Prop-2-yn-1-01 |
| Ethoxylated Alcohol | Propan-2-01 |
| Ethoxylated Octylphenol | Propargyl Alcohol |
| Ethylene Glycol | Propylene |
| Ethylhexanol | Sodium Bicarbonate |
| Ferrous Sulfate Heptahydrate | Sodium Chloride |
| Formaldehyde | Sodium Hydroxide |
| Glutaraldehyde | Sucrose |
| | Tetramethylammonium Chloride |

Frac Stage #1

| |
|-------------------|
| Hydrochloric Acid |
| Propargyl Alcohol |
| Methanol |
| Acetic Acid |
| Acetic Anhydride |

Frac Stage #2

| |
|----------------------------|
| Methanol |
| Boric Oxide |
| Petroleum Distillate Blend |
| Polysaccharide |
| Potassium Carbonate |
| Sodium Chloride |
| Potassium Hydroxide |
| Ethylene Glycol |
| Boric Acid |
| Sodium Bicarbonate |
| Monoethanolamine |

Frac Stage #3

| |
|-----------------------------------|
| Hydrotreated light distillate |
| Ethoxylated Alcohol |
| Glutaraldehyde |
| Dazomet |
| Sodium Hydroxide |
| Methanol |
| Diesel (use discontinued) |
| 2,2-Dibromo-3-Nitrilopropionamide |
| Polyethylene Glycol Mixture |
| Mesh Sand (Crystalline Silica) |