

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)