

# Chemicals – Energy

# Natural Gas



Product Names	Supplier
<b>Natural Gas Production and Pipeline Glycols</b>	
• Ethylene Glycol	• Preferred**
• Diethylene Glycol	• Preferred**
• Triethylene Glycol	• Preferred**
• Propylene Glycol	• Preferred**
• Dipropylene Glycol	• Preferred**
• Tripropylene Glycol	• Preferred**
<b>Amines</b>	
• Monoethanolamine (MEA)	• Preferred**
• Diethanolamine (DEA)	• Preferred**
• Triethanolamine (TEA)	• Preferred**
• Diisopropanolamine (DIPA)	• BASF
• ADEG*	• BASF
• MDEA	• BASF
• aMDEA*	• BASF
• sMDEA*	• BASF
• PuraTreat* F & R	• BASF
<b>Coolants</b>	
• Compressor Engine Coolant	• Ashland
• Ambitol	• Dow
• Antifreeze	• Ashland
<b>Synthetic Compressor Fluids</b>	
• HiTEC* 5032	• Afton
• HiTEC* 5046	• Afton
• HiTEC* 5068	• Afton
• HiTEC* 5100	• Afton
<b>Pipeline Antifreeze</b>	
• Methanol	• Methanex
<b>Water Treating</b>	
• Bleach	
• Caustic Soda	
• Magnesium Hydroxide	
• Sulfuric Acid	

Product Names	Supplier
<b>Natural Gas Production and Pipeline Antifoams</b>	
• PMX 200 Series	• XIAMETER
• Dow Corning Emulsions	• Dow Corning, XIAMETER
• Nonsilicone Antifoams	• Preferred**
<b>Specialties</b>	
• Molecular Sieves	• Ceca
• Activated Alumina	• Axens
• Catalyst	• Axens
• Support Media	• Preferred**
• Silica Gel	• Preferred**
<b>Services</b>	
• Waste Disposal	• Ashland Environmental Services
• Turn Key Project Management	• Ashland Environmental Services
• Amine Sample Analysis	
• Glycol / Coolant Analysis	
• Molecular Sieve Breakthrough Testing	
• Unit Simulations	
• Local Inventory	
• Just-In-Time Delivery	
• Online Ordering	
• Recycling	
• Corporate Accounts Program	
• Environmental, Health and Safety Information	
• Emergency Response 24-Hour Hot Line	
• SARA Title III Guidance	

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Ashland Distribution:  
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www.go2ashland.com



## Product Names

### Refineries and Petrochemical Plants

#### Glycols

• Ethylene Glycol	• Preferred**
• Diethylene Glycol	• Preferred**
• Triethylene Glycol	• Preferred**
• Propylene Glycol	• Preferred**
• Dipropylene Glycol	• Preferred**
• Tripropylene Glycol	• Preferred**

#### Amines

• Monoethanolamine (MEA)	• Preferred**
• Diethanolamine (DEA)	• Preferred**
• Triethanolamine (TEA)	• Preferred**
• Diisopropanolamine (DIPA)	• BASF
• ADEG*	• BASF
• MDEA	• BASF
• aMDEA*	• BASF
• sMDEA*	• BASF
• Puratreat F & R*	• BASF

#### Antifoams / Silicones

• PMX 200 Series	• XIAMETER
• Dow Corning Emulsions	• Dow Corning, XIAMETER
• Nonsilicone Antifoams	• Preferred**

#### Specialties

• Molecular Sieves	• Ceca
• Activated Alumina	• Axens
• Catalysts	• Axens
• Support Media	• Preferred**

#### Water Treating

• Bleach
• Caustic Potash
• Caustic Soda
• Ferric Chloride
• Ferric Sulfate
• Magnesium Hydroxide
• Sulfuric Acid

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## Supplier

## Product Names

### Refineries and Petrochemical Plants

#### Process Chemicals

• Acetic Acid
• Acetone
• Aqua Ammonia
• Calcium Chloride
• Caustic Potash
• Caustic Soda
• Phosphates
• Perchloroethylene (Isom/Ref)
• Hydrogen Peroxide
• Hydrochloric Acid
• Methanol
• Mineral Oil
• Nitric Acid
• Potassium Carbonate
• Phosphoric Acid
• Sodium Nitrate
• Sodium Nitrite
• Various Solvents & Blends

#### Services

• Waste Disposal	• Ashland Environmental Services
• Turn Key Project Management	• Ashland Environmental Services

• Amine Sample Analysis
• Glycol / Coolant Analysis
• Molecular Sieve Breakthrough Testing
• Unit Simulations
• Local Inventory
• Just-In-Time Delivery
• Online Ordering
• Recycling
• Corporate Accounts Program
• Environmental, Health and Safety Information
• Emergency Response 24-Hour Hot Line
• SARA Title III Guidance

\*\*Ashland uses a variety of suppliers to provide you with the best possible combination of quality and cost for your formulations.

# Chemicals – Energy Oilfield Services



## Products

### Oilfield Service Chemicals

#### Drilling Muds

• Calcium Carbonate	• Calcium Chloride
• Sodium Bichromate	• Hydroxyethyl Cellulose
• Carboxymethyl Cellulose	• Caustic Soda
• Antifoams	• Corrosion Inhibitors
• Biocides	• Phosphates
• Sodium Carbonate	• Emulsifiers

#### Acidizing & Stimulation

• Acetic Acid	• Guar Gum
• Hydrochloric Acid	• Formic Acid
• Ammonium Bifluoride	• Potassium Chloride
• Methanol	• Fumaric Acid
• Citric Acid	• Persulfates
• Phosphates	• Toluene
• Xylene	• Aromatic Solvents
• Glycol Ether EB	• Isopropyl Alcohol
• Various Solvents	• Resins

(Epon 828 for Sand Consolidation)

#### Cementing Chemicals

• Sodium Silicate	• Calcium Chloride
• Sodium Chloride	• Alcohols (long chain)
• Sodium Gluconates	• Hydroxyethyl Cellulose
• Sodium Metasilicate	• Fly Ash

#### Completion Chemicals

• Sodium Chloride	• Calcium Chloride
• Hydroxyethyl Cellulose	• Paraformaldehyde
• Antifoams	• Sodium Bichromate
• Amines (various)	• Tall Oil Fatty Acids

#### Oil Production Chemicals

• Phosphates	• Esters
• Silicones	• Caustic Soda
• Sulfuric Acid	• Soda Ash
• Biocides	• Antifoams
• Glycols	• Methanol
• Xylene	• Toluene
• Various Solvents	

## Product Names

### Surfactants

#### Alkylphenol Ethoxylates

• IGEPAL* CA, CO series	• Rhodia
• TERGITOL* NP series	• Dow
• TRITON* X series	• Dow

#### Ethoxylates

• Shell Neodols	• Clariant
• GENAPOL* UD, LA series	• RHODASURF*
• Rhodia	

#### Alkanolamides

• ALKAMIDE*	• Rhodia
• CALAMIDE*	• Pilot
• INCROMIDE*	• Croda

#### Sorbitan Esters

• ALKAMULS*	• Rhodia
• CRILL*	• Croda
• CRILLET*	• Croda

#### Phosphate Esters

• RHODAFAC*	• Rhodia
• TRITON*	• Dow
• EMPHOS*	• Akzo
• CRODAFOS*	• Crod

#### Dodecylbenzene Sulfonic Acid/Sulfonates

• CALSOFT*	• Pilot
• WITCONATE*	• Akzo
• NAXEL*	• Nease
• RHODACAL*	• Rhodia
• CALFAX*	• Pilot
• DOWFAX*	• Dow

#### pH Control Agents

• Caustic Soda	• Preferred**
• Caustic Potash	• Preferred**

#### Biocides

• NIPACIDE*	• Clariant
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#### Miscellaneous Inorganics

• Potassium Chloride	• Preferred**
• Sodium Chloride	• Preferred**
• Calcium Chloride	• Preferred**
• Sodium Silicate	• Preferred**

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Product Names	Supplier
<b>Oilfield Production &amp; Formulation Chemicals</b>	
<b>Carrier Solvents</b>	
• HI SOL* 10	• Ashland
• HI SOL* 15	• Ashland
• ATOSOL* 200 Petrochemicals	• Atofina
• PANASOL* Heavy Aromatic Naphthas	• Petrochem Carless
• Methanol	• Methanex
• Xylene	• Preferred**
• Toluene	• Preferred**
• Various Solvents	
<b>Acids</b>	
• Hydrochloric Acid	• Preferred**
• Phosphoric Acid	• Preferred**
• Acetic Acid / Acetic Anhydride	• Preferred**
• Boric Acid	• Preferred**
• Adipic Acid	• Invista
• Formic Acid	• Celanese
• Sulfamic Acid	• Samirian
• Oxalic Acid	• Preferred**
• Glycolic Acid 70%	• Preferred**
<b>Amine Curing Agents</b>	
• Diethylene Triamine	• Dow
• Triethylene Tetramine	• Dow
<b>Epoxy Resins</b>	
• EPON* Epoxy Resins	• Hexion
<b>Chelating Agents</b>	
• Versene Chelating Agents (EDTA)	• Dow
• Nitrilotriacetic Acid (NTA) (Trisodium Salt) Liquid & Dry	• Solutia
<b>Antifoams</b>	
• PMX 200* Series	• XIAMETER
• Dow Corning Emulsions	• Dow Corning, XIAMETER
<b>Thickeners/Viscosifiers</b>	
• Polyacrylate Thickeners (Alcogum)	• Alco Chemicals
• Hydroxypropyl Guar Gums	• Rhodia
• Hydroxyethyl Cellulose (Cellosize)	• Dow
• Xanthan Gum (RHODOPOL*)	• Rhodia
• Guar Gum	• Preferred**

Product Names	Supplier
<b>Surfactants</b>	
<b>Alkylphenol Ethoxylates</b>	
• IGEPAL* CA, CO series	• Rhodia
• TERGITOL* NP series	• Dow
• TRITON* X series	• Dow
<b>Ethoxylates</b>	
• GENAPOL* UD, LA series	• Clariant
• RHODASURF*	• Rhodia
<b>Alkanolamides</b>	
• ALKAMIDE*	• Rhodia
• CALAMIDE*	• Pilot
• INCROMIDE*	• Croda
<b>Sorbitan Esters</b>	
• ALKAMULS*	• Rhodia
• CRILL*	• Croda
• CRILLET*	• Croda
<b>Phosphate Esters</b>	
• RHODAFAC*	• Rhodia
• TRITON*	• Dow
• EMPHOS*	• Akzo
• CRODAFOS*	• Croda
<b>Dodecylbenzene Sulfonic Acid/Sulfonates</b>	
• CALSOFT*	• Pilot
• WITCONATE*	• Akzo
• NAXEL*	• Nease
• RHODACAL*	• Rhodia
• CALFAX*	• Pilot
• DOWFAX*	• Dow
<b>pH Control Agents</b>	
• Magnesium Hydroxide (dry & liquid)	• Preferred**
• Caustic Soda	• Preferred**
• Caustic Potash	• Preferred**
<b>Biocides</b>	
• NIPACIDE*	• Clariant
<b>Miscellaneous Inorganics</b>	
• Potassium Chloride	• Preferred**
• Sodium Chloride	• Preferred**
• Calcium Chloride	• Preferred**
• Sodium Silicate	• Preferred**
• Sodiumerythorbate	• Preferred**
<b>Services</b>	
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