



SPECIALTY CHEMICAL
SELECTION GUIDE

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Lubricant | Selection Guide

CHEMISTRY	SUPPLIER	TRADE NAME(S)	ALKALINITY	ANTIOXIDANT	BASE FLUID	BIOCIDE	CHELATOR	CORROSION INHIBITOR	COUPLER	DISPERSANT	EXTREME PRESSURE / ANTIWEAR	EMULSIFIER & WETTING AGENT	FLUID LIFE-EXTENSION	FOAM CONTROL AGENT	GREASE	INTERMEDIATE	LUBRICITY ADDITIVE	ODOR CONTROL AGENT	PETROLATUM	TACKIFIER	TRANSPORTATION	WAX
ANTIOXIDANTS																						
Phenolic, Aminic, Phosphite, Thioester	Songwon Industrial Group	SONGNOX®		◆									◆									
Base Fluids																						
Normal Alpha Olefin (NAO)	Chevron Phillips Chemical Company	AlphaPlus®			◆											◆						■
Esters	Sea-Land Chemical Company	SeacoChem™			◆								■		■		■				■	
Biobased Secondary Poly Esters	VBASE	VBASE Oil Company			◆								■		■		■				■	
Polyalkylene Glycol (PAG)	Sea-Land Chemical Company	SeacoChem™			◆								■		■		◆					
Polyalphaolefin (PAO)	Chevron Phillips Chemical Company	Synfluid PAO®, Synfluid® mPAO			◆								■		■						■	
Polyisobutylene (PIB)	TPC Group	TPC			◆										■					■		
Silicones	Shin-Etsu	DM Fluid			◆										■							
Vegetable Oils	Werner G. Smith, Inc.	Vegetable Oils, SeacoChem™			◆								■		■		■					
White Oil - Hydrocarbon	HF Sinclair	Blandol, Kaydol, Klearol			◆										■							
Biocides																						
Various	Sea-Land Chemical Company	CMIT, MIT, BIT, Triazene				◆							◆									
Chelator/Dispersant - Biodegradable																						
Iminodisuccinate (IDS)/ Polyaspartic Acid Salt	LANXESS	Baypure®					◆			◆												
Compounded Synthetic Transportation Lubricants																						
Axle & Transmission Lubricants	BASF Corporation	Emgard®, Eaton®																				◆
Engine Coolants	BASF Corporation	Glysantin®, Glyscorr®						◆														
Corrosion Inhibitors																						
Alkanolamines	Advancion	Corrguard®	■					◆					■									
Amine Borate	Sea-Land Chemical Company	SeacoChem™	■					◆					◆									
Amine Carboxylate	Sea-Land Chemical Company	SeacoChem™	■					◆									■					
Amines - Primary Oil Soluble	Dow Chemical Company	Primene™	■					◆		■			■		■	■						
Barium Sulfonates	Sea-Land Chemical Company	SeacoChem™	■					◆							■							
Calcium Sulfonates	Sea-Land Chemical Company	SeacoChem™	■					◆							■		■					
Diacids	Emery Oleochemicals LLC, Ingevity	Emerox®, Diacid						◆	■			■		■	■	■						
Imidazoline	Evonik Corporation	Varine®						◆	◆			■					■					
Isononanoic Acid	Sea-Land Chemical Company	SeacoChem™						◆														
Neodecanoic Acid	Hexion	Versatic™						◆														

◆ Primary Function

■ Secondary Function

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Corrosion Inhibitors																						
Oxidate (Wax and Petrolatum)	Sea-Land Chemical Company	SeacoChem™						◆									■					■
Thiadiazole	DIC	Dailube®						◆														
Corrosion Inhibitors (Aluminum)																						
Triazoles	Nanjing Trust Chem Co., Ltd.. Ques Industries	Benzotriazole, Tolyltriazole						◆														
Amino Alcohol	Advancion	Corrguard® SI						◆														
Phosphate Esters	Kao Chemicals GmbH	Fosfodet						◆			◆	■					◆					
Emulsifiers, Dispersants, and Wetting Agents																						
Acetylenic-diol	Evonik Corporation	Surfynol®, Dynol™										◆		◆								
Alkoxylated Alcohols	Evonik Corporation, Kao Chemicals GmbH	Nonidet™, Tego®, Surten, Akypo®, Findet							■	■		◆										
Amides	Evonik Corporation	Rewocoros®, Rewomid®	■					■				◆					■					
Diacids	Ingevity	Diacid						■	■			◆			■		■					
Dimer Acids	Emery Oleochemicals LLC	Emery®, Emersol™						■				◆					■					
Emulsifier Base	Sea-Land Chemical Company	SeacoChem™						■				◆					■					
EO/PO Block Copolymer	Sea-Land Chemical Company	SeacoChem™										◆					■					
Ether Amines	Evonik Corporation	Tomamine®						■				◆				■	■					
Ether Carboxylic Acid	Kao Chemicals GmbH	Akypo®					◆		■	◆		◆										
Ethoxylated Alcohols	Evonik Corporation	Tomadol®							■	■		◆										
Ethoxylated Amides	Kao Chemicals GmbH	Amidet						■				◆					■					
Ethoxylated Fatty Acids	Sea-Land Chemical Company	SeacoChem™							■	■		◆					■					
Ethoxylated Fatty Amines	Sea-Land Chemical Company	SeacoChem™						■				◆					■					
Ethoxylated Glycerides & Triglycerides	Evonik Corporation, Sea-Land Chemical Company	Tagat®, Tegin, SeacoChem™										◆					■					
Fatty Acids	Emery Oleochemicals LLC	Emery®						■	■			◆			■	■	■					
Fatty Alcohol Ethoxylate	Sea-Land Chemical Company, Ecogreen	SeacoChem™, Rofalan							◆			◆					■					
Hydroxythioether	Evonik Corporation	Dynol®								■		◆										
Linear Alcohol Ethoxylates	Evonik Corporation	Tomadol®							■	■		◆										
Oxazoline	Advancion	Corrguard®, Alkaterge®						■	■			◆										
PO/EO Ether Carboxylic Acids	Kao Chemicals GmbH	Kao Findet					◆		■	◆		◆										
Siloxanes - Organomodified	Evonik Corporation	Tegopren®										◆										

◆ Primary Function

■ Secondary Function

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Emulsifiers, Dispersants, and Wetting Agents																						
Sodium Dioctylsulfosuccinate	Evonik Corporation	Rewopol®								■		◆										
Sodium Petroleum Sulfonate	AEMEDSA	Sulfomed						■				◆										
Sorbitan Esters	Evonik Corporation	Tego®										◆					■					
Sulfated Oils	Sea-Land Chemical Company	SeacoChem™										◆					■					
Tall Oil Fatty Acids	Ingevity	Altapyne™						■				◆				■	■					
Vegetable Oil Fatty Acids	Ingevity	AltaVeg						■				◆				■	■					
Foam Control Agents																						
Various	Evonik Corporation	Tego®												◆								
Grease Thickeners																						
Metal Carboxylates	Blachford	Metallic Stearates & Soaps													◆							
Lubricity																						
Alcohols - Fatty	Sea-Land Chemical Company, Ecogreen	SeacoChem™, Rofanol							■								◆					
Animal Fats	Vaport	Lards, Tallows														■	◆					
Blown Oils	Vaport, Werner G. Smith, Inc.	Vablown															◆					
Esters	Evonik Corporation	Rewocoros®			◆										■		◆					
Methyl Esters	Vaport	Methyl Ester			■												◆					
Fish Oils	Werner G. Smith, Inc.	Blown Fish Oils			■										■		◆					
PAG	Sea-Land Chemical Company	SeacoChem™			◆												◆					
PEG Esters	Sea-Land Chemical Company	SeacoChem™										■					◆					
Phosphate Ester	Kao Chemical GmbH	Fosfodet						◆			◆	■					◆					
Polymeric Fatty Acids	AMEE Castor	ACFAR						■									◆					
Lubricity - EP Additives																						
Chlorinated Paraffins	Ineos Inovyn	Cereclor™									◆				■		◆					
Sulfurized	DIC	DAILUBE®									◆				◆		◆					
Petrolatum																						
Petrolatum	HF Sinclair	Protopet, Perfecta, Fonoline, Sonojell																	◆			
Tackifiers																						
Polyisobutylene (PIB)	TPC Group	TPC													■					◆		
Wax - Microcrystalline																						
Wax	HF Sinclair	Multiwax®																				◆

◆ Primary Function

■ Secondary Function

HI&I | Selection Guide

TYPE	CHEMISTRY	SUPPLIER	TRADE NAME(S)	ANTI-REDEPOSITION	ANTISTAT	ASPHALT - COAL TAR EMULSIFIER	BUFFER	CHELATOR	CORROSION INHIBITOR	CO-SURFACTANT	COUPLER / SOLUBILIZER	DEFOAMER	DETERGENT / DEGREASER	DISPERSANT	EMULSIFIER	FABRIC SOFTENING	FOAMANT	FORMALDEHYDE SCAVENGER	GLOSS	HYDROPHOBIC	HYDROTROPE	INTERMEDIATE	INVERT EMULSIFIER	LOW FOAM	NEUTRALIZER	ODOR CONTROL	PRESERVATIVE	SCALE INHIBITOR	SOIL SUSPENSION	VISCOSITY BUILDER	WETTING / SPREADING AGENT					
Surfactants																																				
BioSurfactant	Rhamnolipid, Sphorolipid	Evonik Corporation	Rewoferm												■																	■				
Cationic	Ester Quat	Evonik Corporation	Rewoquat® WE		■																															
	Quat	Evonik Corporation	Varisoft, Adogen, Arosurf®		■											■																				
	Quat acetate	Evonik Corporation	Tomamine® PA-14 Acetate			■							■	■																	■					
	Quaternary Amine	Evonik Corporation	Tomamine® Acid Foamer		■				■								■																			
	Quaternary Amine	Evonik Corporation	Tomamine® Q , Tomamine Inhibitor		■				■				■	■																						
	Quaternary Amine	Evonik Corporation	Variquat®		■								■	■	■					■						■										
	Silicone Quat	Evonik Corporation	Rewoquat® SQ		■												■																			
	Silicone Quat	Evonik Corporation	Tego® Polish Additiv Q	■	■															■	■															
	Silicone Quat	Evonik Corporation	Tegopren® 6922	■	■															■	■															
Cationic - Nonionic	Surfactant Blend	Evonik Corporation	Rewoquat® CQ	■	■								■		■				■																	
Cationic (Blend)	Blended Drying Agents	Evonik Corporation	Tomadry®, Carspray®												■																					
Cationic in Acid	Amine	Evonik Corporation	Tomamine®, Tomamine® E																												■					
Formulated	Blended	Evonik Corporation	Tomadyne®										■		■															■	■					
	Blended, Carwash, Presoak and Degreaser	Evonik Corporation	Tomakleen™ TFR									■	■		■															■	■					
Nonionic	Alkyl Polyglucosides (APG)	Seppic	Simulsol™								■		■	■		■					■				■						■					
	Amino Siloxane	Evonik Corporation	Tego® Polish Additiv ACS												■				■	■											■					
	C11 Linear Alcohol Ethoxylates	Evonik Corporation	Tomadol® 1-X																												■					
	C12-13 Linear Alcohol Ethoxylates	Evonik Corporation	Tomadol® 23-X									■	■	■		■										■					■					
	C12-13 Linear Alcohol Ethoxylates	Evonik Corporation	Tomadol® 91-X										■	■																						
	C12-15 Linear Alcohol Ethoxylates	Evonik Corporation	Tomadol® 25-X										■	■																						
	C14-15 Linear Alcohol Ethoxylates	Evonik Corporation	Tomadol® 45-X									■	■	■																	■					
	Linear Alcohol Alkoxylates, Low Foam	Evonik Corporation	Nonidet®									■	■	■												■					■					
	Linear Alcohol Ethoxylates	Evonik Corporation	Tomadol®									■	■	■																	■					
	Oxazolidine, Oxazoline	Advancion	Alkaterge						■			■			■	■								■	■							■				
	Silicone Emulsion	Evonik Corporation	Tego® Polish Additiv EZ																	■	■															
	Siloxane	Evonik Corporation	Tegopren®										■		■	■																■				
Nonionic (Alkaline and Neutral)	Ether Amine Oxide	Evonik Corporation	Tomamine® AO										■				■								■					■						
	Ethoxylated Amines	Evonik Corporation	Tomamine® E		■								■		■																■					
Nonionic, Oxygenated Solvent Replacement	Linear Alcohol Ethoxylates	Evonik Corporation	Tomakleen™ G										■																		■					

Chemical Index

Acids

- Carboxylate
- Carboxylate - Renewable

Antioxidants

- Aminic
- PANA
- Phenolic
- Phosphite
- Thioester

Base Fluids

- Esters
- PAG (Polyalkylene Glycol)
- PAO (Polyalphaolefin)
- PIB (Polyisobutylene)
- Silicone
- Vegetable Oils
- White Oil - Hydrocarbon

Biocides

- BIT
- Bronopol
- CMIT/MIT
- DBNPA
- Glutaraldehyde
- IPBC
- MIT
- OIT
- OPP
- PCMC
- Triazine

Biologicals

- Bacterial
- Enzyme

Chelators

- IDS (Iminodisuccinate)

Compounded Synthetic Transportation Lubricants

- Axle and Transmission Lubricants and Greases

Corrosion Inhibitors

- Alkanolamine
- Amine – Primary Oil Soluble
- Amine Borate
- Amine Carboxylate
- Azeleic Acid
- Barium Sulfonate
- Calcium Sulfonate
- Diacids
- Imadazoline
- Isononanoic Acid
- Isopropanolamine
- Neodecanoic Acid
- Oxidate – Ester
- Oxidate – Soap
- Oxidate – Wax and Petroleum
- Phosphonates
- Thiadiazole
- Triazoles

Corrosion Inhibitors – Aluminum

- Phosphate Ester
- Phosphonates

Dispersants – Biodegradable

- PASP (Polyaspartic Acid Sodium Salt)
- PBTC (Phosphonobutane Tricarboxylic Acid)

Emulsifiers, Dispersants, Wetting Agents

- Amide
- Diacid
- Dimer Acid
- Emulsifier Base
- EO/PO Block Copolymer
- Ether Amine
- Ether Carboxylic Acid
- Ethoxylated Alcohol
- Ethoxylated Fatty Acid
- Ethoxylated Fatty Amine
- Ethoxylated Glyceride
- Ethoxylated Triglyceride
- Fatty Acid
- Fatty Alcohol Ethoxylate
- Guerbet Alcohol Ethoxylate
- Linear Alcohol Ethoxylate
- Oxazoline
- PIBSA
- Siloxanes – Organomodified
- Sodium Dioctylsulfosuccinate
- Sodium Petroleum Sulfonate
- Sorbitan Ester
- Sulfated Oil
- Tall Oil Fatty Acid

Fatty Acids

- Renewable Fatty Acid
- Tall Oil Fatty Acid and Derivatives
- Vegetable Fatty Acid
- Polymerized Fatty Acid

Foam Control Agents

- Various

Grease Thickeners

- Various

Hydrophobes

- NAO (Normal Alpha Olefin)
- PAO (Polyalphaolefin)
- PDMS (Polydimethylsiloxane)
- PIB (Polyisobutylene)

Intermediates

- Ether Amine
- Normal Alpha Olefins (NAO)

Lubricity

- Animal Fats
- Blown Oils - Oxidized
- Ester
- Ester – Self-emulsifying
- Fish Oil
- Kettle Bodied Oils
- Methyl Ester
- PAG
- PEG
- PEG Ester
- Polymeric Ester

Lubricity – EP Additives

- Chlorinated
- Phosphate Ester
- Sulfurized

Metal Passivators

- Benzotriazole
- Tolytriazole

Neutralizers

- Amino Alcohols
- Primary Amine

Odor Control Agents

- Copper Complex

Petrolatums

- Petrolatum

Preservatives

- Bronopol
- CMIT/MIT
- DBNPA
- Glutaraldehyde
- OPP
- PCMC



Rheology Modifiers

- Natural Polymers
- Polyacrylamides

Soaps

- Tallow Granules
- Vegetable - Based Powder
- Tallow - Coconut Powder

Surface Modifiers

- Hydrophilic Polymer
- Organic Modified Siloxane
- Organic Modified Siloxane Copolymer

Surfactants

- Amine
- Amino Siloxane
- Amphoteric
- APG (Alkyl Polyglucoside)
- Betaine
- Dipropionate Amphoteric
- Drying Agent – Blended
- Ester Quat
- Ether Amine Oxide

- Ether Carboxylate
- Ethoxylated Amine
- Linear Alcohol Ethoxylate
- MEA Sulfosuccinate
- Oxazolidine
- Oxazoline
- Quat
- Quat Acetate
- Quat Silicone
- Quaternary Amine
- Secondary Alcohol Ethoxylate
- Secondary Alkane Sulfonate
- Silicone Emulsion
- Siloxane
- Sulfonate
- Tall Oil Derived Salt

Tackifiers

- Polyisobutylene (PIB)

Waxes

- Microcrystalline
- NAO Waxes





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