



## Product List

### Registered BIOCIDES

#### Silanes for Coatings

HENGDA-M8133	3-Aminopropyltrimethoxysilane	13822-56-5
HENGDA-E8133	3-Aminopropyltriethoxysilane	919-30-2
HENGDA-M8252	N-(2-Aminoethyl)-3-aminopropylmethyldimethoxysilane	3069-29-2
HENGDA-M8253	N-(2-Aminoethyl)-3-aminopropyltrimethoxysilane	1760-24-3
HENGDA-M3133	3-(2,3-Epoxypropoxy)propyltrimethoxysilane	2530-83-8
HENGDA-M2133	3-Methacryloxypropyltrimethoxysilane	2530-85-0
HENGDA-M6103	Vinyltrimethoxysilane	2768-02-7
HENGDA-E6103	Vinyltriethoxysilane	78-08-0

BioSol™ 212	12% Glutaraldehyde / 3% Quat	Biocide 1839-243-92884
BioSol™ 213	27% Glutaraldehyde / 13% Quat	Biocide 1839-227-92884
BioSol™ 525	25% Glutaraldehyde	Biocide 33753-26-92884
BioSol™ 550	50% Glutaraldehyde	Biocide 33753-31-92884
BioSol™ 214	14% Glutaraldehyde / 2.5% Quat	Biocide 82760-5-92884
BioSol™ 320A	20% DBNPA - 2,2-dibromo-3-nitropropionamide	Biocide 63838-23-92884

#### ANTI-FOULANTS (& Chelants)

ScavSol 30	Proprietary divalent chelant (PDC)*	Iron Sulfide Scavenger
ScavSol 50	Proprietary divalent chelant*	Iron Sulfide Scavenger
ScavSol SG100	Proprietary divalent chelant*	Iron Sulfide Scavenger
ScavSol SG100P	Proprietary divalent chelant*	Iron Sulfide Scavenger
ScavSol AF 30	Prop divalent chelant + Antifoulant	Iron Sulfide Scavenger + Anti-Foulant
ScavSol AF 50	Proprietary divalent chelant + Antifoulant	Iron Sulfide Scavenger
ScavSol AF 5050 25%	ScavSol + 25% Glutaraldehyde	Iron Sulfide Scavenger + Anti-Foulant
ScavSol AF 5050T 30%	ScavSol + 37.5% THPS	Iron Sulfide Scavenger Blend
ScavSol 75T	75% THPS	Iron Sulfide Scavenger relabel

#### ANTI-FOULANTS (& Chelants)

BioSol™ 25	25% Glutaraldehyde – Antifoulant	Anti-Foulant
BioSol™ 50	50% Glutaraldehyde – Antifoulant	Anti-Foulant
CleanSol 123	12% Glutaraldehyde / 3% Quat	Anti-Foulant

#### OXIDIZERS

BioSol™ HP 5	5% Hydrogen Peroxide	Oxidizer
BioSol™ HP 34	34% Hydrogen Peroxide	Oxidizer
BioSol™ HP 50	50% Hydrogen Peroxide	Oxidizer
BioSol™ HP 34T	33% Hydrogen Peroxide + Nonionic Surfactant	Oxidizer + Surfactant
BioSol™ AF10HP34	31% Hydrogen Peroxide + PDC	Oxidizer + Iron Sulfide Scavenger

#### SCALE INHIBITORS

ScaleSol D10	10% DETA Phosphonate	Scale Inhibitor
ScaleSol D25	25% DETA Phosphonate	Scale Inhibitor

#### FRICITION REDUCERS

PolySol 25	Anionic Freshwater FR	Friction Reducer
PolySol 100	Anionic Mid-Brine FR	Friction Reducer



## Product List

PolySol 200 <b>BREAKERS</b>	Anionic High-Brine FR	Friction Reducer
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BreakSol HP7	7.5% Hydrogen Peroxide Polymer	Breaker
BreakSol HP7SS	7.5% Hydrogen Peroxide + PDC Polymer	Breaker

### **CLAY STABILIZERS**

ClaSol 300	BioPolymer Clay Control – Enhanced Fines Control	Clay Stabilizer
ClaSol 315	BioPolymer Clay Control – Fines and Swell Control	Clay Stabilizer
ClaSol 3TP	BioPolymer Clay Control – Concentrated ClaSol 315	Clay Stabilizer

### Paint Driers

AKDRY Co Octoate 12%	Cobalt Octoate	136-52-7; 64742-81-0
AKDRY Co Octoate 10%	Cobalt Octoate	136-52-7; 64742-81-0
AKDRY Co Octoate 8%	Cobalt Octoate	136-52-7; 64742-81-0
AKDRY Co Octoate 6%	Cobalt Octoate	136-52-7; 64742-81-0
AKDRY Co Octoate 1%	Cobalt Octoate	136-52-7; 64742-81-0
AKDRY Ca Octoate 10%	Calcium Octoate	136-51-6, 64742-82-1
AKDRY Ca Octoate 6%	Calcium Octoate	136-51-6, 64742-82-1
AKDRY Ca Octoate 5%	Calcium Octoate	136-51-6, 64742-82-1
AKDRY Ca Octoate 4%	Calcium Octoate	136-51-6, 64742-82-1
AKDRY Zr Octoate 24%	Zirconium Octoate	22464-99-9; 64742-81-0
AKDRY Zr Octoate 18%	Zirconium Octoate	22464-99-9; 64742-81-0
AKDRY Zr Octoate 16%	Zirconium Octoate	22464-99-9; 64742-81-0
AKDRY Zr Octoate 12%	Zirconium Octoate	22464-99-9; 64742-81-0
AKDRY Zr Octoate 10%	Zirconium Octoate	22464-99-9; 64742-81-0
AKDRY Zr Octoate 6%	Zirconium Octoate	22464-99-9; 64742-81-0
AKDRY Mn Octoate 10%	Mangan Octoate	15956-58-8; 64742-81-0
AKDRY Mn Octoate 8%	Mangan Octoate	15956-58-8; 64742-81-0
AKDRY Mn Octoate 6%	Mangan Octoate	15956-58-8; 64742-81-0
AKDRY Pb Octoate 36%	Lead Octoate	301-08-6; 64742-81-0
AKDRY Pb Octoate 32%	Lead Octoate	301-08-6; 64742-81-0
AKDRY Pb Octoate 24%	Lead Octoate	301-08-6; 64742-81-0
AKDRY Zn Octoate 16%	Zinc Octoate	1314-13-2; 64742-81-0
AKDRY Zn Octoate 12%	Zinc Octoate	1314-13-2; 64742-81-0
AKDRY Zn Octoate 10%	Zinc Octoate	1314-13-2; 64742-81-0
AKDRY Zn Octoate 8%	Zinc Octoate	1314-13-2; 64742-81-0
AKDRY Zn Octoate 6%	Zinc Octoate	1314-13-2; 64742-81-0
AKDRY Cu Octoate	Copper Octoate	7758-99-8; 64742-82-1
AKDRY K Octoate 15 %	Potassium Octoate	3164-85-0
AKDRY Sr Octoate 10 %	Strontium Octoate	1633-05-2; 64742-81-0
AKDRY MIX Z59	Mix Dry	136-52-7; 136-51-6; 64742-81-0
AKDRY CT39	Mix Dry	136-52-7; 136-51-6; 64742-81-0
AKDRY MIX D34	Mix Dry	136-52-7; 136-51-6; 64742-81-0
AKDRY HP39	Mix Dry	136-52-7; 136-51-6; 64742-81-0
AKDRY MIX-D	Mix Dry	22464-99-9; 136-51-6; 64742-81-0
AKDRY MIX - 1	Mix Dry	136-52-7; 136-51-6; 64742-81-0
AKDRY MIX - 2	Mix Dry	136-52-7; 136-51-6; 64742-81-0
AKDRY MIX - 3	Mix Dry	136-52-7; 136-51-6; 64742-81-0



## Product List

### Organic Peroxides

**BPO 75% water wet granules** - Granulated BPO for added safety in shipping and handling, easily dispersed. Can be used for both ambient and high temperatures where BPO excels.

**BP 50% paste** - Initiator for; polymerization of vinyl monomers, ex styrene, and unsaturated polyesters/vinyl esters. Often used with auto body fillers.

**BP 50% powder** - Free flowing 50% BPO powder with low water content for flooring, chemical anchors, acrylics coatings etc.

**TBPB Accelerated AKPEROX HC9** - Initiator for heat activated applications, pultrusion, RTM, continuous laminating etc. P20 has lower effective operating temp than Andonox PB.

**EFOX 90 - t-butylperoxy-ethylhexyl-carbonate (TBPEHC)** Nonaromatic perester for hot curing applications. Highly efficient, low TOC emission.

**EFOX 10 - t-butylperoxy-ethylhexanoate (TBPEH)** Fast curing perester for reduced cycle times for HPM and pultrusion.

**EFOX 60 - t-butyl trimethyl-hexanoate (TBPIN)** Environment friendly, highly efficient perester, drinking water application. Applications: HPM, pultrusion and CIPP

**t-butylcyclohexyl-peroxydicarbonate (BCHPC)** - Fast Kick Off peroxide for two-step curing for pultrusion and CIPP

**CH50 (Ditert-butylperoxy cyclohexane)** - Hot curing initiator. Long pot life. Less affected by fillers and pigments for HPM, pultrusion and CIPP

**TMCH (Ditert-butylperoxy trimethylcyclohexane)** - Most efficient perketal, Application: HPM, pultrusion and CIPP

**EFOX KSM (TMCH mixture)** - Accelerated curing performance. Application: Pultrusion and HPM.

**TAPB (t-amylperbenzoate)** - t-amyl version for lower residual styrene and better cure. Application: HPM, pultrusion and CIPP.

**411 t-amylperoxy ethylhexanoate (TAPEH)** - t-amyl version for lower residual styrene and better cure. Application: HPM, pultrusion and CIPP.

**EFOX 80** – (TAPEH - t-amylperoxy ethylhexanoate) - Diluted version of TAPEH for better mettering.

**EFOX 131 – (TAPEHC) t-amylperoxy ethylhexyl carbonate;** t-amyl version for lower residual styrene and better cure. Application: HPM, pultrusion and CIPP.

**EFOX MYPC (Dimyristylperoxy dicarbonate (DMYPC))** - Low kick off temperature

**TBIC (t butylperoxy isopropylcarbonate (TBIC))** - Most efficient styrene scavenger



## Product List

**TBHP 70** - AKPEROX TBHP is used for the emulsion polymerization of Styrene, Acrylates and Methacrylates and the curing of polyester resins.

### Titanium Dioxide

For Coatings Applications

	<b>R-216</b>	<b>R-2196</b>	<b>R-2196+</b>
<b>Hiding power</b>	high	high	high
<b>Undertone</b>	neutral	blue	neutral
<b>Gloss</b>	high	high	high
<b>Weather resistance</b>	high	balanced	balanced
<b>Dispersibility</b>	excellent	excellent	excellent

For Plastics Applications:



## Product List

	<b>R-213</b>	<b>R-2219</b>	<b>R-219</b>
<b>Hiding power</b>	High	High	Good
<b>Undertone</b>	Very blue	Blue	Neutral
<b>Weather resistance</b>	Chalk	Balance	High
<b>Hydrophobic</b>	Excellent	Neutral	Neutral

