



## 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-nitrilopropionamide	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

### FRICTION REDUCERS

PolySol 25	Anionic Freshwater FR	Friction Reducer
PolySol 100	Anionic Mid-Brine FR	Friction Reducer
PolySol 200	Anionic High-Brine FR	Friction Reducer



## BREAKERS

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 Octate	136-52-7; 64742-81-0
AKDRY Co Octoate 10%	Cobalt Octate	136-52-7; 64742-81-0
AKDRY Co Octoate 8%	Cobalt Octate	136-52-7; 64742-81-0
AKDRY Co Octoate 6%	Cobalt Octate	136-52-7; 64742-81-0
AKDRY Co Octoate 1%	Cobalt Octate	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



<u>Series</u>	<u>Grade</u>	<u>Characteristics</u>	<u>Applications</u>
MBS IMPACT MODIFIER	<b>LB-126</b>	High Transparency, less crease whitening	Film, Bottle
	<b>LB-136</b>	General purpose, good transparency, good impact strength	Film, Sheet, Bottle
	LB-156	Superior impact strength opaque application	Indoor PVC Products, Fitting, Pipe
IMPACT MODIFIERS	LB-166	Ultra-high impact strength opaque application	Indoor PVC Products, Fitting, Pipe
	AM-81	Processability, superior surface finish	Profile, Pipe, Fitting, Sheet
	LS-50	Excellent low temperature, High impact	Profile, Pipe, Fitting, Sheet
	LS-61	General purpose	Profile, Pipe, Fitting, Sheet
LUBRICATING PROCESSING AIDS	<b>LP-175</b>	Excellent processability, good metal release properties	Film, Sheet, Foam board, WPC
<b>ACR</b>	<b>LP-551</b>	Fast fusions, excellent clarity, good melt flow	Film, Sheet, Profile, Pipe, Fitting
ACRYLIC PROCESSING AIDS	<b>LP-20</b>	Fast fusions, excellent clarity, good melt flow	Sheet, Profile, Pipe, Fitting
	LP-23	Excellent fusion behavior, wider operational condition	Sheet, Profile, Pipe, Fitting, Floor
	LP-530	Better dispersion, weatherability	Foam applications, WPC,
	LP-40	Good general performance	Sheet, Profile, Pipe, Fitting, Floor
PVC PROCESSING AIDS	LP-90	Good melt flow, ultra-high melt strength	Foam applications, WPC
	LS-01	Good fusion fluidity	Profile, Pipe, Fitting
	LS-910	Fast fusions, high modify efficiency	Profile, Pipe, Fitting
	LS-400	Ultra-high melt strength	Foam panel, Profile, Sheet
CHLORINATED POLYETHYLENE LUBRICANT	<b>CPE 135A</b>	General purpose, Impact modifier	Opaque profile, Pipe, Conduit, sheet, SPC, floor...
	L-60	INNER/EXTERNAL G-60	General purpose
	L-74	EXTERNAL G-74	General purpose
<b>ABS</b>	RF-178	Reduce the amount of addition, strong polarity, Easy to color, Good chemical resistance, Excellent gloss, High thermal deformation temperature, High melting index, Good fluidity, Easy to process	ABS General purpose
HIGH RUBBER POWDER			
SPECIALTY MODIFIER	GM-701	Impact performance, low temperature impact performance, surface gloss performance	PC, ABS, PBT, PET, SAN General purpose
<b>TOUGHENER</b>	GM-721	High impact property, ultra low temperature impact property, resistance to hydrolysis, coloration	PC, ABS, PBT, PET, SAN General purpose

### 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 metering.

**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

**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:

	<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