



# PVC Additives

An extensive range to improve processability and characteristics of PVC products

The third most widely produced synthetic plastic polymer after polyethylene (PE) and polypropylene (PP), polyvinyl chloride (PVC) comes in two basic forms: rigid and flexible. PVC is used in construction applications such as pipes, doors and windows, as well as in the packaging, automotive, household and furniture, and medical sectors. Flexible PVC today often replaces rubber in plumbing, electrical cable insulation, imitation leather, signage and inflatable products.

Mainly used for PVC, plasticizers improve the flexibility and durability of plastic end products. They also act as softeners, extenders and lubricants.

SONGWON offers a comprehensive range of PVC stabilizers and plasticizers. In our PVC application lab in Ulsan, Korea, we support customers with expert formulation and performance evaluations.

# Product range selection guide

Type		Floorings	Semi-rigid/flexible films	Artificial leathers	Wall papers	Plastisols	Flexible profiles	Wires and cables	Food contacts	Medical	Rigid films	Rigid plates	Pipes	Fittings	Window profiles	Automotive
<b>Solid Mixed Metal Stabilizers</b>	SONGSTAB™ CZ-SC305						■	■								■
	SONGSTAB™ CZ-SC490						■	■								■
	SONGSTAB™ CZ-SC491						■	■								■
	SONGSTAB™ CZ-SC590						■	■								■
	SONGSTAB™ CZ-SC900						■	■								■
	SONGSTAB™ CZ-SC910						■	■								■
	SONGSTAB™ CZ-SC920						■	■								■
	SONGSTAB™ CZ-SC940						■	■								■
	SONGSTAB™ CZ-S39						■	■	■							■
	SONGSTAB™ CZ-S36	■					■									
	SONGSTAB™ CZ-S303	■					■									
	SONGSTAB™ CZ-S73	■	■				■									
	SONGSTAB™ CZ-S80	■	■				■									
	SONGSTAB™ CZ-SM20						■		■	■						
	SONGSTAB™ CZ-SM30						■		■	■						
	SONGSTAB™ CZ-SP180												■			
	SONGSTAB™ CZ-SP600												■			
	SONGSTAB™ CZ-SP610												■			
	SONGSTAB™ CZ-SF670													■		
	SONGSTAB™ CZ-SS370											■				
	SONGSTAB™ CZ-SW921														■	
	SONGSTAB™ CZ-SW955														■	
<b>Kicker</b>	SONGSTAB™ CZ-SC59			■				■								■
	SONGSTAB™ CZ-SA10			■												■
	SONGSTAB™ KS-S81	■		■												

# Product range selection guide

Type		Floorings	Semi-rigid/flexible films	Artificial leathers	Wall papers	Plastisols	Flexible profiles	Wires and cables	Food contacts	Medical	Rigid films	Rigid plates	Pipes	Fittings	Window profiles	Automotive
<b>Liquid Mixed Metal Stabilizers</b>	BaCdZn	SONGSTAB™ BC-L509		■			■									
		SONGSTAB™ BC-L528		■			■									
		SONGSTAB™ BC-L530		■			■									
		SONGSTAB™ BC-L540		■			■									
BaZn		SONGSTAB™ BZ-L155	■	■	■		■									
		SONGSTAB™ BZ-L201	■	■	■		■									
		SONGSTAB™ BZ-L219	■	■	■		■									
		SONGSTAB™ BZ-L228	■	■	■		■									
		SONGSTAB™ BZ-L300	■	■	■		■									■
		SONGSTAB™ BZ-L500	■	■	■		■									■
		SONGSTAB™ BZ-L501	■	■	■		■									■
		SONGSTAB™ BZ-L520	■	■	■		■									■
		SONGSTAB™ BZ-LP608	■		■		■									
		SONGSTAB™ BZ-LP609	■		■		■									
		SONGSTAB™ BZ-LP700	■		■		■									■
		SONGSTAB™ BZ-LP701	■		■		■									■
		SONGSTAB™ KS-L806	■		■											
	Kickers	SONGSTAB™ KP-L191	■		■	■	■									
		SONGSTAB™ KP-L900	■		■	■	■									
		SONGSTAB™ KP-L901	■		■	■	■									
CaZn		SONGSTAB™ CZ-LF410		■			■	■	■							
		SONGSTAB™ CZ-LP600	■	■	■	■	■									



# Product range selection guide

Type		Floorings	Semi-rigid/flexible films	Artificial leathers	Wall papers	Plastisols	Flexible profiles	Wires and cables	Food contacts	Medical	Rigid films	Rigid plates	Pipes	Fittings	Window profiles	Automotive
<b>Organo-Tin Stabilizers</b>	Methylltin	SONGSTAB™ MT-800							■	■	■		■	■		
		SONGSTAB™ MT-800D							■	■	■		■	■		
		SONGSTAB™ MT-830									■		■	■		
	Butylltin	SONGSTAB™ BT-107N									■		■	■		
		SONGSTAB™ BT-711C									■		■	■		
		SONGSTAB™ TM-506									■		■	■		
		SONGSTAB™ TM-600P									■		■	■		
	Octylltin	SONGSTAB™ OT-713R							■	■	■		■	■		
		SONGSTAB™ TM-710M							■		■		■	■		
<b>Co-Stabilizers</b>	SONGSTAB™ SB-S11	■	■	■		■										■
	SONGSTAB™ AC-215P	■		■	■	■										■
	SONGSTAB™ SB-L102	■	■	■		■										■
	SONGSTAB™ PI-311	■	■	■		■	■				■					
	SONGSTAB™ E-700	■	■	■	■	■	■	■	■	■						■
<b>Lubricants</b>	SONGSTAB™ BS								■		■					
	SONGSTAB™ SL-29		■						■		■					
	SONGSTAB™ SL-31 (FOR CPVC)												■	■		
	SONGSTAB™ SL-40								■		■					
	SONGSTAB™ SL-101								■		■					





































































































# Product range selection guide

<b>Antioxidants and UV Absorbers</b>	SONGNOX® 1010
	SONGNOX® 1076
	SONGSORB® 1000
	SONGSORB® 2340
	SONGSORB® 3260
	SONGSORB® 8100
	SABO®STAB UV312

		Hose pipes	Artificial leathers	Sheets	Electrical wires and cables	Gloves	Films	Wallpapers	Refrigerator sealing strips	Food packaging materials
<b>Plasticizers</b>	SONGCIZER™ DOA	■	■	■					■	■
	SONGCIZER™ TOTM	■			■					
	SONGCIZER™ P-900	■		■	■	■	■		■	
	SONGCIZER™ P-1500	■		■	■	■	■		■	
	SONGCIZER™ P-2600	■		■	■	■	■		■	
	SONGCIZER™ P-2600S	■		■	■	■	■		■	
	SONGCIZER™ P-2700	■		■	■	■	■		■	
	SONGCIZER™ P-2800	■		■	■	■	■		■	
	SONGCIZER™ P-3000	■		■	■	■	■	■	■	



# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks		
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor			
Cables													
SONGSTAB™ CZ-SC305	CaZn	PW	3.0 ~ 6.0								70°C wires & cables		
SONGSTAB™ CZ-SC490	CaZn	PW	3.0 ~ 6.0								90/105°C wires & cables Light colored		
SONGSTAB™ CZ-SC491	CaZn	PW	3.0 ~ 6.0								90/105°C wires & cables Dark colored		
SONGSTAB™ CZ-SC590	CaZn	PW	3.0 ~ 6.0								90/105°C wires & cables Light colored		
SONGSTAB™ CZ-SC900	CaZn	PW	8.0 ~ 15.0								105/125°C wires & cables Light colored		
SONGSTAB™ CZ-SC910	CaZn	PW	8.0 ~ 15.0								105/125°C wires & cables Dark colored		
SONGSTAB™ CZ-SC920	CaZn	PW	8.0 ~ 15.0								105/125°C wires & cables Light colored		
SONGSTAB™ CZ-SC940	CaZn	PW	8.0 ~ 15.0								105/125°C wires & cables, insulation tapes		
SONGSTAB™ CZ-S39	CaZn	PW	3.0 ~ 6.0								Transparent wires & cables General transparent extrusion		
Flooring (flexible)													
SONGSTAB™ CZ-S73	CaZn	PW	1.5 ~ 2.0								Top layer (transparent)		
SONGSTAB™ CZ-S80	CaZn	PW	1.5 ~ 2.0								Top layer (transparent)		
SONGSTAB™ KS-S81	CaZn	PW	2.0 ~ 3.0								Foam layer		
SONGSTAB™ CZ-S303	CaZn	PW	3.0 ~ 5.0								SPC (stone-plastic composite)		
SONGSTAB™ CZ-S36	CaZn	PW	3.0 ~ 5.0								SPC (stone-plastic composite, high performance)		
					Very good		Good		Satisfactory		Poor		Very poor

 Very good
  Good
  Satisfactory
  Poor
  Very poor

# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor	
Calendering & Extrusion (flexible - solid products)											
SONGSTAB™ CZ-S36	CaZn	PW	3.0 ~ 5.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Flooring Highly filled PVC tiles
SONGSTAB™ CZ-S39	CaZn	PW	3.0 ~ 6.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Transparent applications
SONGSTAB™ CZ-S73	CaZn	PW	1.5 ~ 2.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose Transparent applications
SONGSTAB™ CZ-S80	CaZn	PW	1.5 ~ 2.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose High transparency
SONGSTAB™ CZ-SM20	CaZn	PW	0.5 ~ 1.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Medical applications Synergetic effect with ESBO
SONGSTAB™ CZ-SM30	CaZn	PW	0.5 ~ 1.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Medical applications Synergetic effect with ESBO Good initial color

Very good

Good

Satisfactory

Poor

Very poor





# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor	
Calendering & Extrusion (flexible – liquid products)											
SONGSTAB™ BC-L509	BaCdZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose Transparent
SONGSTAB™ BC-L528	BaCdZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose Highly filled / pigmented
SONGSTAB™ BC-L530	BaCdZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose High long-term stability
SONGSTAB™ BC-L540	BaCdZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose High long-term stability
SONGSTAB™ BZ-L155	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Flexible/semi-rigid film & profile High transparency (glass clear)
SONGSTAB™ BZ-L201	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Flexible & profile Good price-performance balance Translucent or pigmented application
SONGSTAB™ BZ-L219	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Flexible film & profile Highly filled & pigmented
SONGSTAB™ BZ-L228	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose
SONGSTAB™ BZ-L300	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Flexible/semi-rigid film & profile Low VOC generation
SONGSTAB™ BZ-L500	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Flexible/semi-rigid film & profiles
SONGSTAB™ BZ-L501	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Flexible/semi-rigid film & profiles
SONGSTAB™ BZ-L520	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Flexible film & profiles
SONGSTAB™ KS-L806	Kicker	LQ	2.0 ~ 4.0	<div></div>			<div></div>		<div></div>	<div></div>	Foam-layer calendering Flooring / artificial leather
SONGSTAB™ CZ-LF410	CaZn	LQ	1.5 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Food-wrap film (FDA grade)

Very good

Good

Satisfactory

Poor

Very poor

■ Very good   
 ■ Good   
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 ○ Poor   
 ■ Very poor



# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor	
Plastisol											
SONGSTAB™ BZ-LP608	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	General purpose
SONGSTAB™ BZ-LP609	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	High performance
SONGSTAB™ BZ-LP700	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	General purpose EU REACH compliance Low odor
SONGSTAB™ BZ-LP701	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	General purpose EU REACH compliance
SONGSTAB™ CZ-LF410	CaZn	LQ	1.5 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	Food grade
SONGSTAB™ CZ-LP600	CaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	EU REACH compliance
Kickers (plastisol)											
SONGSTAB™ KP-L191	KZn	LQ	2.0 ~ 4.0	<div></div>						<div></div>	Foam kicker
SONGSTAB™ KP-L900	NaZn	LQ	2.0 ~ 4.0	<div></div>						<div></div>	Foam kicker
SONGSTAB™ KP-L901	KZn	LQ	2.0 ~ 4.0	<div></div>						<div></div>	Fast kicker Good price-performance balance
Automotive Applications											
SONGSTAB™ BZ-L300	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Calendering
SONGSTAB™ CZ-SC59	CaZn	PW	1.5 ~ 2.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Artificial leather Semi-rigid & flexible calendering and extrusion
SONGSTAB™ CZ-SA10	CaZn	PW	3.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Artificial leather (good long-term heat stability at low temperature)
SONGSTAB™ SB-S11	Booster	PW	0.2 ~ 1.0	<div></div>		<div></div>	<div></div>	<div></div>		<div></div>	Artificial leather Semi-rigid & flexible calendering and extrusion
SONGSTAB™ SB-L102	Booster	LQ	0.2 ~ 1.0	<div></div>		<div></div>	<div></div>	<div></div>		<div></div>	Artificial leather (good long-term heat stability)
<div><div></div> Very good</div> <div><div></div> Good</div> <div><div></div> Satisfactory</div> <div><div></div> Poor</div> <div><div></div> Very poor</div>											

■ Very good   
 ■ Good   
 ■ Satisfactory   
 ○ Poor   
 ■ Very poor

# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor	
Pipes & Fittings (rigid)											
SONGSTAB™ CZ-SP180	CaZn	PW	3.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Pipes, general purpose
SONGSTAB™ CZ-SP600	CaZn	PW	3.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Pipes, general purpose
SONGSTAB™ CZ-SP610	CaZn	PW	3.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Pipes, general purpose
SONGSTAB™ CZ-SF670	CaZn/Sn	PW	3.0 ~ 7.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Fittings (CaZn with tin booster)
Plates & Sheets (rigid)											
SONGSTAB™ CZ-SS370	CaZn	PW	3.0 ~ 4.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Rigid foam plates and sheets
Window Profiles (rigid)											
SONGSTAB™CZ-SW921	CaZn	PW	3.0 ~ 5.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Window profiles
SONGSTAB™ CZ-SW955	CaZn	PW	3.0 ~ 5.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Window profiles
Tin Stabilizers											
SONGSTAB™ MT-800	Methyltin mercaptide	LQ	1.5 ~ 2.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose
SONGSTAB™ MT-800D	Methyltin mercaptide	LQ	1.5 ~ 2.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Better long-term heat stability
SONGSTAB™ MT-830	Methyltin mercaptide	LQ	1.0 ~ 2.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Boosted product (high Sn content)
SONGSTAB™ BT-107N	Butyltin mercaptide	LQ	2.0 ~ 3.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose
SONGSTAB™ BT-711C	Butyltin mercaptide	LQ	2.0 ~ 3.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose
SONGSTAB™ TM-506	Butyltin carboxylate	LQ	2.5 ~ 3.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Good weatherability
SONGSTAB™ TM-600P	Butyltin carboxylate	PW	1.0 ~ 2.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	C-PVC application Polymeric tin maleate Smoke suppressant for ABS
SONGSTAB™ OT-713R	Octyltin mercaptide	LQ	2.5 ~ 3.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose
SONGSTAB™ TM-710M	Octyltin carboxylate	LQ	1.0 ~ 2.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Good weatherability
<div><div></div> Very good</div> <div><div></div> Good</div> <div><div></div> Satisfactory</div> <div><div></div> Poor</div> <div><div></div> Very poor</div>											

■ Very good  
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 — Very poor

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Product name	Type	Product form	Dosage [Phr]	Remarks
<b>Co-Stabilizers</b>				
SONGSTAB™ SB-L102	Booster	LQ	0.2 ~ 1.0	Long-term heat stability at low temperature Amine gas resistance Artificial leather Semi-rigid & flexible calendering and extrusion
SONGSTAB™ SB-S11	Booster	PW	0.2 ~ 1.0	Long-term heat stability at low temperature Amine gas resistance Artificial leather (good long-term heat stability)
SONGSTAB™ AC-215P	Acrylic	LQ	0.5 ~ 2.0	Cell controller, combination with foam kickers Plastisol (flooring, artificial leather, wall covering)
SONGSTAB™ Pi-311	Phosphite	LQ	0.3 ~ 1.0	Flexible, semi-rigid calendering and extrusion Plastisol
SONGSTAB™ E-700	ESBO	LQ	0.0 ~ 5.0	Flexible, semi-rigid calendering and extrusion Plastisol
<b>Lubricants</b>				
SONGSTAB™ BS	Butyl stearate	LQ	0.5 ~ 1.5	Internal lubricant Calendering and extrusion
SONGSTAB™ SL-29	Lubricant complex	PW	0.3 ~ 1.5	External lubricant complex Good transparency Rigid calendering
SONGSTAB™ SL-31	Lubricant complex	PW	2.5 ~ 3.5	External lubricant complex for C-PVC pipes
SONGSTAB™ SL-40	Lubricant complex	PW	0.3 ~ 1.5	External lubricant complex Rigid extrusion
SONGSTAB™ SL-101	Lubricant complex	PW	0.3 ~ 1.5	Internal lubricant complex Rigid calendering and extrusion

# Antioxidants and UV Absorbers

		Molecular weight	Melting range (°C)	Solubility (g/100 g solvent at 25°C)	TGA (°C, % mass loss)
<b>SONGNOX® 1010</b> Tetrakis[methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate] methane CAS NO. 6683-19-8 PW, FF, DF		1178	110.0 ~ 125.0	Squalane < 0.05 n-Hexane < 0.1 Acetone < 50.0 Ethanol < 0.1 Toluene 48.0 Xylene 24.2 Ethyl acetate > 50.0	353 5% 370 10% 425 50%
<b>SONGNOX® 1076</b> Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate CAS NO. 2082-79-3 PW, CP, SB, LQ		531	50.0 ~ 55.0	Squalane 0.5 n-Hexane > 50.0 Acetone > 50.0 Ethanol < 0.1 Toluene > 50.0 Xylene > 50.0 Ethyl acetate > 50.0	330 5% 347 10% 387 50%
<b>SONGSORB® 1000</b> 2-(2'-hydroxy-5'-methylphenyl) benzotriazole CAS NO. 2440-22-4 PW		225	128.0 ~ 132.0	Squalane < 0.05 n-Hexane < 0.1 Acetone 3.0 Ethanol < 0.1 Toluene 7.1 Xylene 6.1 Ethyl acetate 5.1	225 5% 242 10% 289 50%
<b>SONGSORB® 8100</b> 2-hydroxy-4-n-octoxybenzophenone CAS NO. 1843-05-6 PW		326	> 47.0	Squalane 0.3 n-Hexane 18.0 Acetone > 50.0 Ethanol 1.0 Toluene > 50.0 Xylene > 50.0 Ethyl acetate > 50.0	280 5% 297 10% 344 50%
<b>SONGSORB® 3260</b> 2-(2'-hydroxy-3'-tert-butyl-5'-methylphenyl)-5-chlorobenzotriazole CAS NO. 3896-11-5 PW		316	138.0 ~ 141.0	Squalane 0.7 n-Hexane 1.5 Acetone 1.5 Ethanol 0.1 Toluene 10.4 Xylene 11.8 Ethyl acetate 3.2	217 5% 232 10% 287 50%
<b>SONGSORB® 2340</b> 2-[2-hydroxy-3,5-di(1,1-dimethylbenzyl) phenyl]-2H-benzotriazole CAS NO. 70321-86-7 PW, FF		448	137.0 ~ 141.0	Squalane < 0.05 n-Hexane < 0.1 Acetone 2.5 Ethanol < 0.1 Toluene 18.1 Xylene 13.1 Ethyl acetate 5.1	337 5% 357 10% 409 50%
<b>SABO®STAB UV 312</b> N-(2-ethoxyphenyl)-N'-(2-ethylphenyl)-oxamide CAS NO. 23949-66-8 PW		312	124.0 ~ 128.0	Squalane < 0.05 n-Hexane < 0.1 Acetone 4.0 Ethanol < 0.1 Toluene 7.3 Xylene 5.2 Ethyl acetate 5.0	266 5% 286 10% 333 50%

# Plasticizers

	Color (APHA)	Acid value (mgKOH/g)	Heat loss (125°C 3hours)	Volume resis- tivity (30°C)	Refractive index (25°C)	Viscosity (c p s/25°C)	Features
<b>SONGCIZER™ DOA</b> Di(2-ethylhexyl) adipate CAS NO. 103-23-1 LQ	< 50	< 0.1	< 0.1	$> 1 \times 10^{11}$	1444 ~ 1450	—	Resistant to cold temperatures Good compatibility Phthalate free
<b>SONGCIZER™ TOTM</b> Tri-2-ethylhexyltrimellitate CAS NO. 3319-31-1 VL	< 120	< 0.2	< 0.1	$> 5 \times 10^{11}$	1481 ~ 1487	—	Heat resistant Low volatility Migration resistance
<b>SONGCIZER™ P-900</b> Poly di(2-ethyl hexyl) 1,4- cyclohexanedimethanol adipate CAS NO. 1574656-80-6 VL	< 500	< 3.0	< 0.1	—	—	500 ~ 1500	No phthalate Medium viscosity Migration resistant
<b>SONGCIZER™ P-1500</b> Polydi(2-ethylhexyl) glycoladipate CAS NO. 3319-31-1 VL	< 300	< 1.0	< 0.5	—	1454 ~ 1460	100 ~ 200	No phthalate Low viscosity
<b>SONGCIZER™ P-2600</b> Polydi(2-ethylhexyl) glycoladipate CAS NO. 73018-26-5 VL	< 300	< 2.0	< 0.5	—	1462 ~ 1468	2700 ~ 3500	No phthalate Medium viscosity
<b>SONGCIZER™ P-2600S</b> Poly di (2-ethyl hexyl) 1,4 cyclohexanedimethanol adipate CAS NO. 1574656-80-6 VL	< 500	< 3.0	< 0.1	—	—	500 ~ 1500	No phthalate Medium viscosity
<b>SONGCIZER™ P-2700</b> Polydi(2-ethylhexyl) glycoladipate CAS NO. 73018-26-5 VL	< 300	< 2.0	< 0.5	—	1466 ~ 1467	4000 ~ 6000	No phthalate High viscosity Migration resistant
<b>SONGCIZER™ P-2800S</b> Poly di (Iso-nonyl) glycoladipate CAS NO. 1404200-65-2 VL	< 400	< 2.0	< 0.5	—	1466 ~ 1467	3000 ~ 6500	No phthalate High viscosity Odorless
<b>SONGCIZER™ P-3000</b> Polydi(2-ethylhexyl) glycoladipate CAS NO. 63149-79-1 VL	< 300	< 2.0	< 0.5	—	1462 ~ 1468	2000 ~ 3200	No phthalate Medium viscosity Migration resistant

## Standard Packaging

- **PVC Stabilizers, Liquids:** Steel Drum  
IBC
- **PVC Stabilizers, Solids:** Paper Bag  
Big Bag
- **Organo-tin Stabilizers:** Steel Drum  
IBC
- **Plasticizers, Liquids:** Steel Drum  
IBC  
ISO Tank

## Key to Abbreviations of Physical Forms

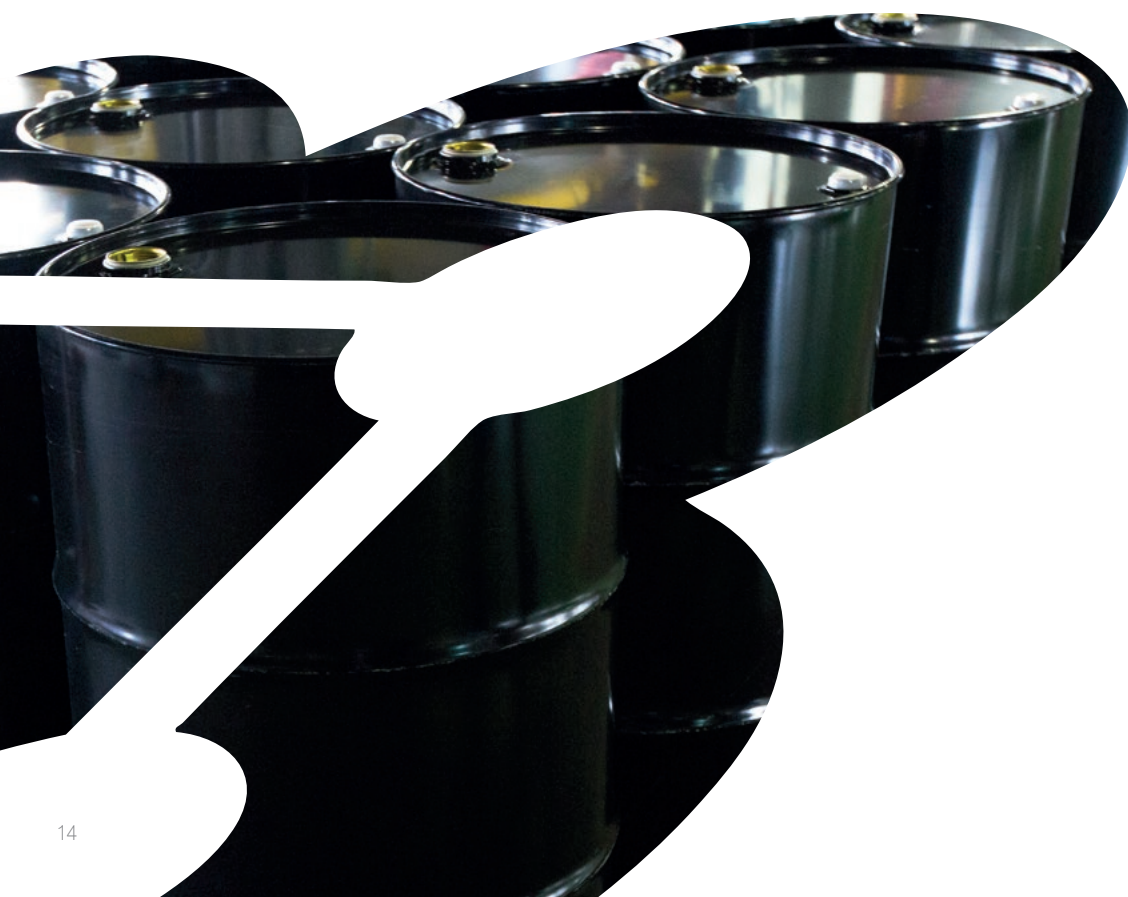
- **PW:** Powder
- **SB:** Semi Bead
- **SL:** Solid
- **FF:** Free Flow
- **DW:** Dispersion
- **MB:** Micro Beads
- **FC:** Fusion Crystal
- **LQ:** Liquid or Molten
- **BD:** Beads
- **DF:** Dust Free Flow
- **CP:** Crystalline Powder
- **PS:** Pastilles
- **GR:** Granule
- **FG:** Fine Grind
- **VL:** Viscous Liquid

## Transport and Storage

As a general guideline, we recommend storing the products mentioned in this brochure in their original sealed containers in a cold and dry place. For more detailed information on a specific product, please refer to the corresponding **Technical Data Sheet**.

By law, a number of chemical products must be labeled in respect of transport, storage and handling. Thus corresponding care is a prerequisite for their appropriate handling. Furthermore, local legal regulations may apply.

Detailed information is given in the respective **Safety Data Sheets**.





# About SONGWON Industrial Group

A leader in the development, production and supply of specialty chemicals, SONGWON's products touch your life every day, everywhere. Since 1965, we've been driving innovation, partnering for progress and paving the way for a better more sustainable tomorrow with 360° customized solutions.

Headquartered in South Korea, SONGWON is the 2<sup>nd</sup> largest manufacturer of polymer stabilizers worldwide. With Group companies and world-class manufacturing facilities across the globe, we are dedicated to providing customers in over 60 countries with high-performance products that meet their individual needs and the best levels of service.

For further information, please go to:

**[www.songwon.com](http://www.songwon.com)**







Check out our  
official website



Check out our  
WeChat account

For further information, please go to:

**[www.songwon.com](http://www.songwon.com)**

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