



# Vanderbilt Chemicals, LLC

A Wholly Owned Subsidiary of R.T. Vanderbilt Holding Company, Inc.

## PLASTICS PRODUCT REFERENCE GUIDE



MORE TOOLS FOR  
YOUR TOOL BOX

 **Vanderbilt Chemicals, LLC**   
A Wholly Owned Subsidiary of R.T. Vanderbilt Holding Company, Inc.

est. 1916

# Plastics Product Listing - Reference Guide

## Product

## Chemical Name/Description

### ANTIOXIDANTS

#### AMINES

<b>AGERITE® STALITE®</b>	Mixture of octylated diphenylamines
<b>AGERITE STALITE® S</b>	Mixture of octylated diphenylamines
<b>VANOX® CDPA</b>	4,4'-Bis (a,a-dimethylbenzyl)diphenylamine
<b>VANOX® 1001</b>	Alkylated diphenylamines for a wide variety of resin systems
<b>VANOX® 1081</b>	p,p'-dioctyldiphenylamine (for polyamide based hot melts and polyurethane polyols)
<b>VANOX® 1887</b>	Mixed alkylated diphenylamines (scorch inhibitor for flexible urethane foams)

#### HYDROQUINOLINE

<b>AGERITE® MA Pastilles</b>	Polymerized 1,2-dihydro-2,2,4-trimethylquinoline
<b>AGERITE MA Powder</b>	Polymerized 1,2-dihydro-2,2,4-trimethylquinoline
<b>AGERITE RESIN D® Pastilles</b>	Polymerized 1,2-dihydro-2,2,4-trimethylquinoline
<b>AGERITE RESIN D® Powder</b>	Polymerized 1,2-dihydro-2,2,4-trimethylquinoline

#### PHENOLS

<b>SONGNOX® 1010</b>	Tetrakis[methylene 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]methane
<b>SONGNOX® 1024</b>	1,2-Bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoly) hydrazine
<b>SONGNOX® 1035</b>	Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate
<b>SONGNOX® 1076</b>	Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate
<b>SONGNOX® 1098</b>	N,N'-Hexamethylenebis (3,5-di-tert-butyl-4-hydroxyhydrocinnamamide)
<b>SONGNOX® 1135</b>	Iso-octyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate
<b>SONGNOX® 1290</b>	2,2'-Ethylidenebis-(4,6-di-tert-butylphenol)
<b>SONGNOX® 1330</b>	1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl) benzene
<b>SONGNOX® 1520</b>	4,6-Bis(octylthiomethyl)-o-cresol
<b>SONGNOX® 2450</b>	Triethylene glycol-bis-3-(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate
<b>SONGNOX® 3114</b>	Tris-(3,5-di-tert-butylhydroxybenzyl) isocyanurate
<b>VANOX® MBPC Powder</b>	2,2-methylenebis(6-t-butyl-4-methylphenol)

#### PHOSPHITES

<b>SONGNOX® 1680</b>	Tris(2,4-di-tert-butylphenyl) phosphite
<b>SONGNOX® 6260</b>	Bis(2,4-di-tert-butyl phenyl)pentaerythritol diphosphite
<b>SONGNOX® 6280</b>	Mixture of Songnox 6260 and magnesium aluminum talcite
<b>VANSTAY® SC (TIOP)</b>	Triisooctyl phosphite chelating agent for plastics polymers and compounds

#### PHENOL- PHOSPHITE Blends

<b>SONGNOX® 11B</b>	A 1:1 blend of SONGNOX 1680 and SONGNOX 1010
<b>SONGNOX® 21B</b>	A blend of 66.7% SONGNOX 1680 and 33.3% SONGNOX 1010
<b>SONGNOX® 311B</b>	A 1:1 blend of SONGNOX 1680 and SONGNOX 3114
<b>SONGNOX® 321B</b>	A blend of 66.7% SONGNOX 1680 and 33.3% SONGNOX 3114
<b>SONGNOX® 417B</b>	A blend of 80.0% SONGNOX 1680 and 20.0% SONGNOX 1076

#### THIOESTERS

<b>SONGNOX® DLTDP</b>	Dilauryl thiodipropionate
<b>SONGNOX® DSTDP</b>	Distearyl thiodipropionate
<b>SONGNOX® DTDTP</b>	Ditridecyl thiodipropionate
<b>SONGNOX® 4120</b>	Pentaerythryl tetrakis(3-laurylthiopropionate)

### SCORCH INHIBITORS

<b>VANOX<sup>®</sup> 945</b>	Scorch inhibitor developed for use in polyols used in flexible polyurethane foam
<b>VANOX<sup>®</sup> 961</b>	Mixed octylated and butylated diphenylamines
<b>VANOX<sup>®</sup> 986</b>	Patent-pending PTZ-free scorch inhibitor that improves color stability of slabstock PU foam
<b>VANOX<sup>®</sup> 991</b>	PTZ-free Scorch inhibitor for use in polyols for flexible polyurethane foam
<b>VANOX<sup>®</sup> 1001</b>	Alkylated diphenylamines for a wide variety of resin systems
<b>VANOX<sup>®</sup> 1081</b>	p,p-dioctyldiphenylamine for PA-based hot melts and PU polyols
<b>VANOX<sup>®</sup> 1887</b>	Mixed alkylated diphenylamines -scorch inhibitor for flexible urethane foams
<b>VANOX<sup>®</sup> CB 30</b>	Alkylated diphenylamine
<b>SONGNOX<sup>®</sup> 1076</b>	Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate
<b>SONGNOX<sup>®</sup> 1135</b>	Iso-octyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate

### SPECIALTY ANTIOXIDANTS

<b>VANOX<sup>®</sup> 898</b>	Very effective FDA compliant processing stabilizer for mineral-filled polyolefins
<b>VANOX<sup>®</sup> 981PP</b>	Patented AO blend that increases color stability of filled and unfilled polypropylene
<b>VANOX<sup>®</sup> 1030A</b>	Very effective synergistic antioxidant blend for filled and unfilled polypropylene
<b>SONGNOX<sup>®</sup> OPS 3021</b>	Blend of Tetrakis[methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] methane and 1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with 2,4,4-trimethyl-2-pentanamine

### MISCELLANEOUS

<b>VANOX<sup>®</sup> MTI</b>	2-mercaptotoluimidazole
<b>VANOX<sup>®</sup> ZMTI</b>	Zinc 2-mercaptotoluimidazole
<b>ZIMATE<sup>®</sup>, BUTYL</b>	Zinc dibutyldithiocarbamate process stabilizer for polyolefins

### HEAT STABILIZERS

<b>SONGSTAB<sup>®</sup> SC-110</b>	Calcium stearate for PVC rigid sheet and pipe, and flexible sheet applications
<b>SONGSTAB<sup>®</sup> SZ-210</b>	Zinc stearate for PVC film and Polyolefin stabilization
<b>SONGSTAB<sup>®</sup> SM-310</b>	Magnesium stearate for PVC and ABS applications
<b>SONGSTAB<sup>®</sup> SB-410</b>	Barium stearate for PVC applications
<b>VANSTAY<sup>®</sup> SC (TIOP)</b>	Triisooctyl phosphite chelating agent for plastics polymers and compounds

### HINDERED AMINE LIGHT STABILIZERS (HALS)

<b>SABO<sup>®</sup>STAB UV 62</b>	Butanedioic acid, 1,4-dimethyl ester, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidineethanol
<b>SABO<sup>®</sup>STAB UV 65</b>	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
<b>SABO<sup>®</sup>STAB UV 70</b>	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate
<b>SABO<sup>®</sup>STAB UV 78</b>	50:50 mixture of SABO <sup>®</sup> STAB UV 62 and SABO <sup>®</sup> STAB UV 94
<b>SABO<sup>®</sup>STAB UV 91</b>	Fatty acids, C12-21 and C18-unsaturated, 2,2,6,6-tetramethyl-4-piperidinyl esters
<b>SABO<sup>®</sup>STAB UV 91 50PP</b>	50% active concentrate of fatty acids, C12-21 and C18-unsaturated, 2,2,6,6-tetramethyl-4-piperidinyl esters in a polypropylene carrier
<b>SABO<sup>®</sup>STAB UV 94</b>	1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with 2,4,4-trimethyl-2-pentanamine
<b>SABO<sup>®</sup>STAB UV 119</b>	1,3,5-Triazine-2,4,6-triamine, N2,N2''-1,2-ethanediybis[N2-[3-[[4,6-bis[butyl(1,2,2,6,6-pentamethyl-4-piperidinyl)amino]-1,3,5-triazin-2-yl]amino]propyl]-N',N''-dibutyl-N',N''-bis(1,2,2,6,6-pentamethyl-4-piperidinyl) (main component)

### UV ABSORBERS

<b>SABO<sup>®</sup>STAB UV 312</b>	N-(2-Ethoxyphenyl)-N'-(2-ethylphenyl)oxamide
<b>SABO<sup>®</sup>STAB UV 165</b>	Specialty blend
<b>SONGSORB<sup>®</sup> 1000</b>	2-(2'-Hydroxy-5'-methylphenyl) benzotriazole
<b>SONGSORB<sup>®</sup> 2340</b>	2-[2-Hydroxy-3,5-di(1,1-dimethylbenzylphenyl)]2H-benzotriazole
<b>SONGSORB<sup>®</sup> 2908</b>	Hexadecyl-3,5-di-tert-butyl-4-hydroxybenzoate
<b>SONGSORB<sup>®</sup> 3200</b>	2-(2'-Hydroxy-3',5'-di-t-butylphenyl) benzotriazole
<b>SONGSORB<sup>®</sup> 3260</b>	2-(2'-hydroxy-3'-t-butyl-5'-methylphenyl)-5-chloro benzotriazole
<b>SONGSORB<sup>®</sup> 3270</b>	2-(2'-Hydroxy-3',5'-di-t-butylphenyl)-5-chlorobenzotriazole
<b>SONGSORB<sup>®</sup> 3280</b>	2-(2'-Hydroxy-3',5'-di-t-amylphenyl)benzotriazole
<b>SONGSORB<sup>®</sup> 3290</b>	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol
<b>SONGSORB<sup>®</sup> 7120</b>	2,4-Di-tert-butylphenyl-4'-hydroxy-3',5'-di-tert-butyl benzoate
<b>SONGSORB<sup>®</sup> 8100</b>	2-Hydroxy-4-n-octoxybenzophenone

## MINERALS

### CLAY

<b>BILT-PLATES® 156</b>	Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size $\mu\text{m}$ , 0.2
<b>DIXIE CLAY®</b>	Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size $\mu\text{m}$ , 0.2
<b>PAR® CLAY</b>	Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size $\mu\text{m}$ , 0.2
<b>LANGFORD™ CLAY</b>	Hydrated aluminum silicate, soft clay, Kaolin. Median Particle Size $\mu\text{m}$ , 1.3
<b>McNAMEE® CLAY</b>	Hydrated aluminum silicate, soft clay, Kaolin. Median Particle Size $\mu\text{m}$ , 1.2

### PYROPHYLLITE

<b>PYRAX® B</b>	Hydrated aluminum silicate, Pyrophyllite. Median Particle Size $\mu\text{m}$ , 10.0
<b>PYRAX® WA</b>	Hydrated aluminum silicate, Pyrophyllite. Median Particle Size $\mu\text{m}$ , 14.07
<b>PYRAX® ABB</b>	Hydrated aluminum silicate, Pyrophyllite. Median Particle Size $\mu\text{m}$ , 11.0

### WOLLASTONITE

<b>VANSIL® W-30</b>	Calcium metasilicate. Median Particle Size $\mu\text{m}$ , 4.5
<b>VANSIL® W-40</b>	Calcium metasilicate. Median Particle Size $\mu\text{m}$ , 5.6
<b>VANSIL® W-50</b>	Calcium metasilicate. Median Particle Size $\mu\text{m}$ , 2.8
<b>VANSIL® WG</b>	Calcium metasilicate. Median Particle Size $\mu\text{m}$ , 28.0
<b>VANSIL® HR325</b>	Calcium metasilicate. Median Particle Size $\mu\text{m}$ , 2.5
<b>VANSIL® HR1500</b>	Calcium metasilicate. Median Particle Size $\mu\text{m}$ , 9.0
<b>VANSIL® HR-2000</b>	Calcium metasilicate. Median Particle Size $\mu\text{m}$ , 15.0

## POLYMER MODIFIERS

<b>Vistamaxx®</b> <b>Propylene-based Elastomers</b>	For use in compounding and polymer modification
--	---

### ORGANIC PEROXIDES

<b>VAROX® BP-75-W</b>	Dibenzoyl peroxide, 75% active
<b>VAROX® DCP</b>	Dicumyl peroxide, pure
<b>VAROX® DBPH</b>	2,5-dimethyl-2,5-d(t-butylperoxy) hexane, pure
<b>VAROX® DBPH-50</b>	2,5-dimethyl-2,5-d(t-butylperoxy) hexane, 50% on calcium carbonate
<b>VAROX® DBPH-50 EZD</b>	2,5-dimethyl-2,5-d(t-butylperoxy) hexane, 50% on silica
<b>VAROX® DBPH-P20</b>	2,5-dimethyl-2,5-d(t-butylperoxy) hexane, 20% on polypropylene

Registered and pending trademarks appearing in these materials are those of R.T. Vanderbilt Holding Company, Inc. or its respective wholly owned subsidiaries. For complete listings, please visit this location for trademarks, <http://www.rtvanderbiltholding.com/about/category/about> . Select the company.

RESIN D, STALITE, and SUPERLITE are registered trademarks of Emerald Performance Materials, LLC

Excelor, Exact, and Vistamaxx are registered trademarks of ExxonMobil Chemical Corporation.

SABO®STAB is a registered trademark of Sabo, SpA, Levate, Italy

SONGNOX, SONGSORB and SONGSTAB are registered trademarks of Songwon Industrial Company, Ltd.

rev1/07/2015

**Vanderbilt Chemicals, LLC, 30 Winfield Street, P.O. Box 5150, Norwalk, CT 06856-5150**  
**Telephone: (203) 853-1400 - Fax: (203) 838-6368 - Web Site: [www.vanderbiltchemicals.com](http://www.vanderbiltchemicals.com)**

Before using, read, understand and comply with the information and precautions in the Safety Data Sheets, label and other product literature. The information presented herein, while not guaranteed, was prepared by technical personnel and, to the best of our knowledge and belief, is true and accurate as of the date hereof. No warranty, representation or guarantee, express or implied, is made regarding accuracy, performance, stability, reliability or use. This information is not intended to be all-inclusive, because the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. The user is responsible for determining the suitability of any material for a specific purpose and for adopting such safety precautions as may be required. Vanderbilt Chemicals, LLC does not warrant the results to be obtained in using any material, and disclaims all liability with respect to the use, handling or further processing of any such material. No suggestion for use is intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patent, trademark or copyright or to violate any federal, state or local law or regulation.