<table>
<thead>
<tr>
<th>Product</th>
<th>Chemical Name/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANTIOXIDANTS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>AMINES</strong></td>
<td></td>
</tr>
<tr>
<td>AGERITE® STALITE®</td>
<td>Mixture of octylated diphenylamines</td>
</tr>
<tr>
<td>AGERITE STALITE® S</td>
<td>Mixture of octylated diphenylamines</td>
</tr>
<tr>
<td>VANOX® CDPA</td>
<td>4,4’-Bis (a,a-dimethylbenzyl)diphenylamine</td>
</tr>
<tr>
<td>VANOX® 1001</td>
<td>Alkylated diphenylamines for a wide variety of resin systems</td>
</tr>
<tr>
<td>VANOX® 1081</td>
<td>p,p’-dioctyldiphenylamine (for polyamide based hot melts and polyurethane polyols)</td>
</tr>
<tr>
<td>VANOX® 1887</td>
<td>Mixed alkylated diphenylamines (scorch inhibitor for flexible urethane foams)</td>
</tr>
<tr>
<td><strong>HYDROQUINOLINE</strong></td>
<td></td>
</tr>
<tr>
<td>AGERITE® MA Pastilles</td>
<td>Polymerized 1,2-dihydro-2,2,4-trimethylquinoline</td>
</tr>
<tr>
<td>AGERITE MA Powder</td>
<td>Polymerized 1,2-dihydro-2,2,4-trimethylquinoline</td>
</tr>
<tr>
<td>AGERITE RESIN D® Pastilles</td>
<td>Polymerized 1,2-dihydro-2,2,4-trimethylquinoline</td>
</tr>
<tr>
<td>AGERITE RESIN D® Powder</td>
<td>Polymerized 1,2-dihydro-2,2,4-trimethylquinoline</td>
</tr>
<tr>
<td><strong>PHENOLS</strong></td>
<td></td>
</tr>
<tr>
<td>SONGNOX® 1010</td>
<td>Tetrakis[methylene 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]methane</td>
</tr>
<tr>
<td>SONGNOX® 1024</td>
<td>1,2-Bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamol) hydrazine</td>
</tr>
<tr>
<td>SONGNOX® 1035</td>
<td>Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate]</td>
</tr>
<tr>
<td>SONGNOX® 1076</td>
<td>Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate</td>
</tr>
<tr>
<td>SONGNOX® 1098</td>
<td>N,N’-Hexamethylenebis (3,5-di-tert-butyl-4-hydroxyhydrocinnamamide)</td>
</tr>
<tr>
<td>SONGNOX® 1135</td>
<td>Iso-octyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate</td>
</tr>
<tr>
<td>SONGNOX® 1290</td>
<td>2,2’-Ethylidenebis-(4,6-di-tert-butylphenol)</td>
</tr>
<tr>
<td>SONGNOX® 1330</td>
<td>1,3,5-Trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl) benzene</td>
</tr>
<tr>
<td>SONGNOX® 1520</td>
<td>4,6-Bis(ocetylthiomethyl)-o- cresol</td>
</tr>
<tr>
<td>SONGNOX® 2450</td>
<td>Triethylene glycol-bis-(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate</td>
</tr>
<tr>
<td>SONGNOX® 3114</td>
<td>Tris-(3,5-di-tert-butylhydroxybenzyl) isocyanurate</td>
</tr>
<tr>
<td>VANOX® MBPC Powder</td>
<td>2,2-methylenebis(6-t-Butyl-4-methylphenol)</td>
</tr>
<tr>
<td><strong>PHOSPHITES</strong></td>
<td></td>
</tr>
<tr>
<td>SONGNOX® 1680</td>
<td>Tris(2,4-di-tert-butylphenyl) phosphate</td>
</tr>
<tr>
<td>SONGNOX® 6260</td>
<td>Bis(2,4-di-tert-butyl phenyl)pentaeerythritol diphosphate</td>
</tr>
<tr>
<td>SONGNOX® 6280</td>
<td>Mixture of Songnox 6260 and magnesium aluminum talcite</td>
</tr>
<tr>
<td>VANSTAY® SC (TIOP)</td>
<td>Triisoctyl phosphate chelating agent for plastics polymers and compounds</td>
</tr>
<tr>
<td><strong>PHENOL- PHOSPHITE Blends</strong></td>
<td></td>
</tr>
<tr>
<td>SONGNOX® 11B</td>
<td>A 1:1 blend of SONGNOX 1680 and SONGNOX 1010</td>
</tr>
<tr>
<td>SONGNOX® 21B</td>
<td>A blend of 66.7% SONGNOX 1680 and 33.3% SONGNOX 1010</td>
</tr>
<tr>
<td>SONGNOX® 311B</td>
<td>A 1:1 blend of SONGNOX 1680 and SONGNOX 3114</td>
</tr>
<tr>
<td>SONGNOX® 321B</td>
<td>A blend of 66.7% SONGNOX 1680 and 33.3% SONGNOX 3114</td>
</tr>
<tr>
<td>SONGNOX® 417B</td>
<td>A blend of 80.0% SONGNOX 1680 and 20.0% SONGNOX 1076</td>
</tr>
<tr>
<td><strong>THIOESTERS</strong></td>
<td></td>
</tr>
<tr>
<td>SONGNOX® DLTDP</td>
<td>Dilauryl thiodypropionate</td>
</tr>
<tr>
<td>SONGNOX® DSTDP</td>
<td>Distearil thiodypropionate</td>
</tr>
<tr>
<td>SONGNOX® DTDTP</td>
<td>Ditridecyl thiodypropionate</td>
</tr>
<tr>
<td>SONGNOX® 4120</td>
<td>Pentaerythrityl tetrais(3-laurylthiopropionate)</td>
</tr>
</tbody>
</table>
**SCORCH INHIBITORS**

VANOX® 945  
Scorch inhibitor developed for use in polyols used in flexible polyurethane foam

VANOX® 961  
Mixed octylated and butylated diphenylamines

VANOX® 986  
Patent pending PTZ-free scorch inhibitor that improves color stability of slabstock PU foam

VANOX® 991  
PTZ-free Scorch inhibitor for use in polyols for flexible polyurethane foam

VANOX® 1001  
Alkylated diphenylamines for a wide variety of resin systems

VANOX® 1081  
p,p-dioctyldiphenylamine for PA-based hot melts and PU polyols

**SPECIALTY ANTIOXIDANTS**

VANOX® 898  
Very effective FDA compliant processing stabilizer for mineral-filled polyolefins

VANOX® 981PP  
Patented AO blend that increases color stability of filled and unfilled polypropylene

VANOX® 1030A  
Very effective synergistic antioxidant blend for filled and unfilled polypropylene

SONGNOX® OPS 3021  
Blend of Tetraakis[methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] methane and 1,6-Hexanediame, 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**

VANOX® MTI  
2-mercaptotolumidazole

VANOX® ZMTI  
Zinc 2-mercaptotolumidazole

ZIMATE®, BUTYL  
Zinc dibutyldithiocarbamate process stabilizer for polyolefins

**HEAT STABILIZERS**

SONGSTAB® SC-110  
Calcium stearate for PVC rigid sheet and pipe, and flexible sheet applications

SONGSTAB® SZ-210  
Zinc stearate for PVC film and Polyolefin stabilization

SONGSTAB® SM-310  
Magnesium stearate for PVC and ABS applications

SONGSTAB® SB-410  
Barium stearate for PVC applications

VANSTAY® SC (TIOP)  
Triisooctyl phosphite chelating agent for plastics polymers and compounds

**HINDERED AMINE LIGHT STABILIZERS (HALS)**

SABO®STAB UV 62  
Butanediolic acid, 1,4-dimethyl ester, polymer with 4-hydroxy-2,2,6,6-tetramethyl-1-piperidineethanol

SABO®STAB UV 65  
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

SABO®STAB UV 70  
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

SABO®STAB UV 78  
50:50 mixture of SABO®STAB UV 62 and SABO®STAB UV 94

SABO®STAB UV 91  
Fatty acids, C12-21 and C18-unsaturated, 2,2,6,6-tetramethyl-4-piperidinyl esters

SABO®STAB UV 91 50PP  
50% active concentrate of fatty acids, C12-21 and C18-unsaturated, 2,2,6,6-tetramethyl-4-piperidinyl esters in a polypropylene carrier

SABO®STAB UV 94  
1,6-Hexanediame, 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

SABO®STAB UV 119  
1,3,5-Triazine-2,4,6-triamine, N2,N2'-1,2-ethanediylbis[N2-[3-[(4,6-bis(1,2,2,6,6-pentamethyl-4-piperidinyl)aminol]-1,3,5-triazin-2-yl]amino]propyl]-N,N'-dibutyl-N',N"bis(1,2,2,6,6-tetramethyl-4-piperidinyl) (main component)

**UV ABSORBERS**

SABO®STAB UV 312  
N-(2-Ethoxyphenyl)-N'-(2-ethylphenyl)oxamide

SABO®STAB UV 165  
S Specialty blend

SONGSORB® 1000  
2-(2'-Hydroxy-5'-methylphenyl) benzotriazole

SONGSORB® 2340  
2-(2-Hydroxy-3,5-di(1,1-dimethylbenzylphenyl)]2H-benzotriazoloe

SONGSORB® 2908  
Hexadecyl 3,5-di-tert-butyl-4-hydroxybenzoate

SONGSORB® 3200  
2-(2'-Hydroxy-3,5’-di-t-butylphenyl) benzotriazole

SONGSORB® 3260  
2-(2'-Hydroxy-3’t-butyl-5’-methylphenyl)-5-chloro benzotriazole

SONGSORB® 3270  
2-(2'-Hydroxy-3,5’-di-t-butylphenyl)-5-chlorobenzotriazole

SONGSORB® 3280  
2-(2'-Hydroxy-3,5’-di-t-amylphenyl)benzotriazole

SONGSORB® 3290  
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol

SONGSORB® 7120  
2,4-Di-t-tert-butylphenyl-4’-hydroxy-3,5’-di-t-tert-butyl benzoate

SONGSORB® 8100  
2-Hydroxy-4-n-octoxybenzophenone
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### MINERALS

#### CLAY
- **BILT-PLATES® 156**: Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size μm, 0.2
- **DIXIE CLAY®**: Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size μm, 0.2
- **PAR® CLAY**: Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size μm, 0.2
- **LANGFORD™ CLAY**: Hydrated aluminum silicate, soft clay, Kaolin. Median Particle Size μm, 1.3
- **McNAMEE® CLAY**: Hydrated aluminum silicate, soft clay, Kaolin. Median Particle Size μm, 1.2

#### PYROPHYLITE
- **PYRAX® B**: Hydrated aluminum silicate, Pyrophyllite. Median Particle Size μm, 10.0
- **PYRAX® WA**: Hydrated aluminum silicate, Pyrophyllite. Median Particle Size μm, 14.07
- **PYRAX® ABB**: Hydrated aluminum silicate, Pyrophyllite. Median Particle Size μm, 11.0

#### WOLLASTONITE
- **VANSIL® W-30**: Calcium metasilicate. Median Particle Size μm, 4.5
- **VANSIL® W-40**: Calcium metasilicate. Median Particle Size μm, 5.6
- **VANSIL® W-50**: Calcium metasilicate. Median Particle Size μm, 2.8
- **VANSIL® WG**: Calcium metasilicate. Median Particle Size μm, 28.0
- **VANSIL® HR325**: Calcium metasilicate. Median Particle Size μm, 2.5
- **VANSIL® HR1500**: Calcium metasilicate. Median Particle Size μm, 9.0
- **VANSIL® HR-2000**: Calcium metasilicate. Median Particle Size μm, 15.0

### POLYMER MODIFIERS

- **Vistamaxx®**: Propylene-based Elastomers. For use in compounding and polymer modification

#### ORGANIC PEROXIDES
- **VAROX® BP-75-W**: Dibenzoyl peroxide, 75% active
- **VAROX® DCP**: Dicumyl peroxide, pure
- **VAROX® DBPH**: 2,5-dimethyl-2,5-d(t-butyldihydroperoxy) hexane, pure
- **VAROX® DBPH-50**: 2,5-dimethyl-2,5-d(t-butyldihydroperoxy) hexane, 50% on calcium carbonate
- **VAROX® DBPH-50 EZD**: 2,5-dimethyl-2,5-d(t-butyldihydroperoxy) hexane, 50% on silica
- **VAROX® DBPH-P20**: 2,5-dimethyl-2,5-d(t-butyldihydroperoxy) hexane, 20% on polypropylene

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