

Rubber

Product Listing Brochure



VANDERBILT CHEMICALS, LLC

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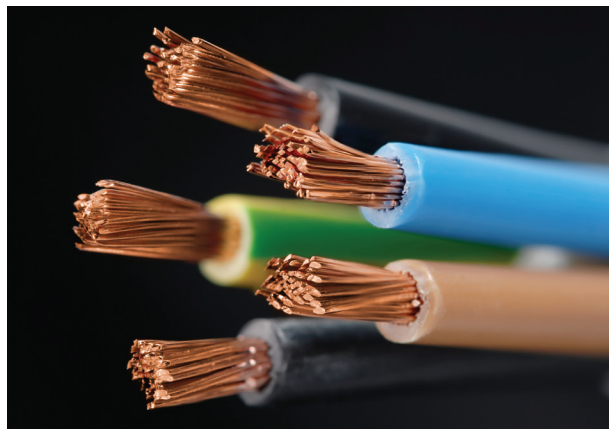
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Vanderbilt Chemicals, LLC

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



ABOUT US

From its early beginnings in 1916, Vanderbilt Chemicals, LLC has grown to supply a wide range of products to many different industries, including rubber, plastics, petroleum, paint, CASE, pharmaceutical, agricultural, ceramic, personal care, and household products.

In addition to offering a variety of products from key suppliers, Vanderbilt Chemicals, LLC produces a number of ultra accelerators and antioxidants out of its large chemical manufacturing facility in Murray, Kentucky.

The Vanderbilt companies offer products in the United States and in some 80 countries around the world. Vanderbilt Worldwide Limited, with an office in Nantwich, UK, provides marketing, technical, and sales support for Vanderbilt Chemicals in Europe, Middle East, and Africa and Vanderbilt (Beijing) Trading, Ltd. has an office in Beijing, China. Our corporate headquarters, including our analytical and application labs, is located in Norwalk, CT.

OUR MISSION

Building relationships to achieve sustainable and ethical growth through a culture of quality and innovation.

OUR VISION

Your most trusted global supplier of chemical products and services.

OUR VALUES

The beliefs that guide Vanderbilt Chemicals' actions, unites our employees, and defines our brand:

Integrity and Ethics

Commitment to Customers, Partners, Environment, and Employees

Continuous Improvement

Innovation

For sample requests, sales specifications, and Safety Data Sheets, please visit our website at www.vanderbiltchemicals.com

TRADEMARKS

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For a complete trademark listing, please visit the About section at www.vanderbiltchemicals.com.

ESCOREZ is a trademark of ExxonMobil Chemical.

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ACCELERATORS *

DITHIOCARBAMATES		
AMYL ZIMATE®	Zinc diamyldithiocarbamate (50% in oil)	ZnDAC
BISMATE® Powder *	Bismuth dimethyldithiocarbamate	BiDMC
BUTYL EIGHT®	Activated dithiocarbamate blend in propyl cellosolve	Mixture
BUTYL ZIMATE® *	Zinc dibutyldithiocarbamate	ZnDBC
BUTYL ZIMATE Dustless *	Zinc dibutyldithiocarbamate	ZnDBC
BUTYL ZIMATE SG *	Zinc dibutyldithiocarbamate	ZnDBC
ETHYL TELLURAC® PDR	Tellurium diethyldithiocarbamate	TeDEC
ETHYL ZIMATE® Dustless	Zinc diethyldithiocarbamate	ZnDEC
METHYL CUMATE® (CuDMC) Powder	Copper dimethyldithiocarbamate	CuDMC
METHYL SELENAC® Powder	Selenium dimethyldithiocarbamate	SeMDC
METHYL ZIMATE Dustless *	Zinc dimethyldithiocarbamate	ZnDMC
SULFENAMIDES		
VANAX OTOS POWDER	N-oxydiethylene thiocarbonyl-N'-oxydiethylene sulfenamide	OTOS
DURAX® (CBS) Powder	N-cyclohexyl-2-benzothiazolesulfenamide	CBS
MORFAX® POWDER*	4-morpholinyl-2-benzothiazole disulfide	MBSS
VANAX TBBS RODFORM®	N-tert-butyl-2-benzothiazolesulfenamide	TBBS
THIAZOLES		
ALTAX® MBTS DFP	Benzothiazole disulfide	MBTS
CAPTAX® (MBT) *	2-mercaptobenzothiazole	MBT
ZETAX® (ZMBT) *	Zinc 2-mercaptobenzothiazole	ZnMBT
THIADIAZOLES AND AMINES		
VANAX 808 HP *	3,5-diethyl-1,2 dihydro-1-phenyl-2 propylpyridine	Mixture
VANAX 882-B	High molecular weight fatty amine	Mixture
THIOUREAS		
THIATE® EF-2	Trimethylthiourea	TMTU
THIATE H	1,3-diethylthiourea	DETU
THIATE U *	1,3-dibutylthiourea	DBTU
THIURAMS		
BUTYL TUADS®	Tetrabutylthiuram disulfide	TBTD
BUTYL TUADS SOLID	Tetrabutylthiuram disulfide (68% active on inert filler)	TBTD
ETHYL TUADS® (TETD) Powder	Tetraethylthiuram disulfide	TETD
ISOBUTYL TUADS (TIBTD) Gran.	Tetraisobutylthiuram disulfide	TIBTD
METHYL TUADS® TMTD *	Tetramethylthiuram disulfide	TMTD
SULFADS® PDR	Dipentamethylenethiuram hexasulfide	DPTT
VANAX TMTM	Tetramethylthiuram monosulfide	TMTM
FKM CURATIVES		
VANAX® FC-20 Granules	Phosphonium based accelerator for use in bisphenol FKM cure systems (controls cure rate)	Mixture
VANAX FC-30 Granules	Bisphenol AF crosslinking agent for use in bisphenol FKM cure systems (controls cure state)	Mixture

* Denotes Accelerators also for use in Latex/Waterborne Dispersions

CROSSLINKING AGENTS, COAGENTS & ACTIVATORS

CROSSLINKING AGENTS (PEROXIDES)		
VAROX® DBPH	2,5-dimethyl-2,5-di(t-butylperoxy)hexane	DMBPHa
VAROX DBPH-50	2,5-dimethyl-2,5-di(t-butylperoxy)hexane (48% on inert carrier)	DMBPHa
VAROX DBPH-50-EZD	2,5-dimethyl-2,5-di(t-butylperoxy)hexane(48% active on precipitated silica gel carrier)	DMBPHa
VAROX DBPH-50 SG	2,5-dimethyl-2,5-di(t-butylperoxy)hexane(48% active in silica, silicone gum and silicone fluid carrier)	DMBPHa
VAROX DCP PURE	Dicumyl peroxide, 99% assay	DCP
VAROX 130 LIQUID	2,5-dimethyl-2,5-di(t-butylperoxy)-3-hexyne	DMBPHy
VAROX 130-XL	2,5-dimethyl-2,5-di(t-butylperoxy)-3-hexyne (50% active on inert carrier)	DMBPHy
COAGENT AND CROSSLINKING AGENTS		
VANLINK™ 1	Hexamethylenediamine carbamate	HMDC
VANLINK 2	Tetraphenylphosphonium bromide	TPPB
VANLINK 3	N,N'-dicinnamylidene-1,6-hexanediamine	140-73-8
VANLINK 4	4,4'-methylenebis (cyclohexylamine) carbamate	13253-82-2
VANLINK 7	Triallyl isocyanurate	TAIC
VANLINK 7-70	Triallyl Isocyanurate, 70% active on carrier	TAIC
VANLINK 7-50	Triallyl Isocyanurate, 50% active on carrier	TAIC
VANLINK 18	Octadecyltrimethylammonium bromide	OTAB
VANAX MBM	m-phenylenedimaleimide	m-PBM
VANAX 829 POWDER	Substituted 1,3,4-thiadiazole	72676-55-2
ACTIVATORS		
OCTOATE® Z	Di-2-ethylhexoate	ZnEH
CONDITIONERS AND STABILIZERS		
VANAX PY	23% poly-p-dinitrosobenzene polymer in wax; chemical conditioner for IR	Blend

WATERBORNE CHEMICALS

ACCELERATORS AND ACTIVATORS		
BUTYL NAMATE®	Sodium di-n-butylthiocarbamate acc. (47% minimum aqueous solution)	NaDBC
SETSIT® 5	Activated dithiocarbamate blend primary accelerator	Mixture
ZINC OXIDE Dispersion	60% ZnO activator in water	ZnO

ANTIOXIDANTS

AMINES		
AGERITE® ODPa PDR *	Octylated diphenylamines	ODPA
AGERITE SUPERFLEX SOLID G PDR	Acetone diphenylamine condensation product (75% active on inert filler)	ADPA
VANOX® CDPA Solid	4-4'-Bis(α,α-dimethylbenzyl)diphenylamine	10081-67-1
PHENOLS		
SONGNOX® 1010 *	Tetrakis[methylene 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]methane	6683-19-8
SONGNOX 1024	1,2-Bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamoly) hydrazine	32687-78-8
SONGNOX 1135 *	iso-octyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate	125643-61-0
SONGNOX 3114	Tris(3,5-di-t-butyl-4-hydroxybenzyl)isocyanurate	27676-62-6
VANOX® MBPC Powder*	2,2'-methylenebis-4-methyl-6-tert-butylphenol	o-MBp14

* Denotes Accelerators also for use in Latex/Waterborne Dispersions

Product name	Chemical Name/Description	ASTM Abbreviation or CAS No.
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ANTIOXIDANTS CONTINUED

HYDROQUINOLINE		
AGERITE® TMQ Pastilles *	Polymerized 1,2-dihydro-2,2,4-trimethylquinoline	TMQ
AGERITE TMQ Powder *	Polymerized 1,2-dihydro-2,2,4-trimethylquinoline	TMQ
AGERITE TMQ ULTRA Pastilles	Polymerized 1,2-dihydro-2,2,4-trimethylquinoline	TMQ
AGERITE TMQ ULTRA Powder	Polymerized 1,2-dihydro-2,2,4-trimethylquinoline	TMQ
MISCELLANEOUS		
VANOX MTI Powder*	2-mercaptotoluimidazole	MTI
VANOX NDBC	Nickel di-n-butylidithiocarbamate	NiDBC
VANOX ZMTI *	Zinc 2-mercaptotoluimidazole	ZnMTI

HINDERED AMINE LIGHT STABILIZERS (HALS)

SABO®STAB UV 62 Powder	Polymer of dimethyl succinate and 4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol	65447-77-0
SABO®STAB UV 65	Bis(1,2,2,6,6-pentamethyl-4-piperidiny) sebacate	41556-26-7
SABO®STAB UV 70	Bis(2,2,6,6-tetramethyl-4-piperidiny) sebacate	52829-07-9
SABO®STAB UV 94	1,6-Hexanediamine, N,N'-bis(2,2,6,6-tetramethyl-4-piperidiny)-, polymer with 2,4,6-trichloro-1,3,5-triazine, reaction products with 2,4,4-trimethyl-2-pentanamine	70624-18-9
SABO®STAB UV 119	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-piperidiny)amino]-1,3,5-triazin-2-yl)amino]propyl-N',N''-dibutyl-N', N'' bis (1,2,2,6,6-pentamethyl-4-piperidiny)]	106990-43-6

ULTRA VIOLET STABILIZERS

SONGSORB® 1000	2-(2'-Hydroxy-5'-methylphenyl) benzotriazole	2440-22-4
SONGSORB 2908	Hexadecyl-3,5-di-t-butyl-4-hydroxybenzoate	67845-93-6
SONGSORB 3260	2-(2'-hydroxy-3'-t-butyl-5'-methylphenyl)-5-chloro benzotriazole	3896-11-5
SONGSORB 3280	2-(2'-Hydroxy-3',5'-di-t-amylphenyl)benzotriazole	25973-55-1
SONGSORB 8100	2-Hydroxy-4-n-octoxybenzophenone	1843-05-6

PROCESS AIDS

HIGH PERFORMANCE		
VANFRE® AP-2	Polymer processing internal lubricant for NR and most synthetic polymers	

PROCESS AIDS CONTINUED

HIGH PERFORMANCE (continued)		
VANFRE AP-2 Special	Polymer processing internal lubricant for NR and most synthetic polymers; FDA compliant	
VANFRE APD	A processing aid in NR and synthetic rubbers; FDA compliant	
VANFRE HYP	Polymer processing aid for CSM and CPE polymers	
VANFRE UN	Fatty alcohol phosphate; internal lubricant for metal release in acrylic polymers	
VANFRE VAM	Complex organic phosphate ester; processing aid for AEM, good performance in ACM and ECO	
LUBRICANTS		
VANFRE® L16	Mixture of fatty acid soaps and amides	
VANFRE L20	Fatty acid ester derivatives	
VANFRE L22	Aliphatic fatty acid ester	

* Denotes Antioxidants also for use in Latex/Waterborne Dispersions

Product name	Chemical Name/Description	ASTM Abbreviation or CAS No.
LUBRICANTS CONTINUED		
VANFRE L42	Blend of fatty acid derivatives	
VANFRE L79	Fatty acid ester and polymer derivative	
FLOW IMPROVER		
VANFRE F44	Fatty acid derivatives with metal soap	
VANFRE F50	Zinc soap of unsaturated fatty acids	
VANFRE F60	Blend of fatty acids with zinc soaps	
VANFRE F60T	Mixture of fatty acids with zinc soaps	
TACKIFIER / HOMOGENIZER		
VANFRE B40	Mixture of dark aromatic hydrocarbon resins	
VANFRE B60	Mixture of light colored hydrocarbon resins	
PEPTIZER/MASTIFICATION AIDS		
VANFRE P66	A peptizing and processing aid for natural rubber	

TACKIFYING RESIN

ESCOREZ™ 1102	An aliphatic hydrocarbon resin designed for a variety of applications	
ESCOREZ 1304	A premium aliphatic hydrocarbon resin designed to tackify a variety of polymers	
ESCOREZ 1310LC	A light colored premium aliphatic hydrocarbon resin designed to tackify a variety of polymers	
ESCOREZ 1315	A premium aliphatic hydrocarbon resin with a high softening point designed to tackify a variety of polymers	
ESCOREZ 5300	Water white cycloaliphatic resins designed to tackify a variety of polymers	
ESCOREZ 5340	Water white cycloaliphatic resins designed to tackify a variety of polymers	
ESCOREZ 5600	Very light color aromatic modified cycloaliphatic resins designed to tackify a variety of polymers	

PLASTICIZERS

LEEGEN®	Blend of a sulfonated petroleum product and mineral oil on an inert carrier	Mixture
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DISPERSING AGENTS

DARVAN® 1 Spray Dried	Sodium polynaphthalene sulfonate	Mixture
DARVAN 2	Sodium salts of polymerized substituted benzoid alkyl sulfonic acids	8061-51-6
DARVAN 7-N	Sodium polymethacrylate aqueous solution	54193-36-1
DARVAN 670	Sodium salts of polymerized alkyl naphthalene sulfonic acids	Mixture

SURFACTANTS AND MOLD LUBRICANTS

DARVAN L	Ammonium salt of alkyl phosphate	Mixture
DARVAN SMO	Monosodium salt of sulfated methyl oleate	Mixture
DARVAN WAQ EXTRA HP	Sodium lauryl sulfate	Mixture
VANFRE DFL	Buffered phosphate ester solution; excellent release agent for mill rolls and molds	Mixture

FINISHING AGENTS

COATING MATERIALS		
BLACK-OUT® WHITE	White elastomeric dispersion in organic solvents	Mixture
REODORANTS		
RODO® 0	Blend of essential oils (sweet floral)	Blend

* Denotes Accelerators also for use in Latex/Waterborne Dispersions

SCORCH RETARDERS

VANTARD™ AS	N-phenyl-N-[(trichloromethyl)thio]benzenesulphonamide	
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FUNGICIDES

VANCIDE® MZ-98	Zinc dimethyldithiocarbamate (98% assay CAS No. 137-30-4)	ZnDMC
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MINERALS **

CLAY (HARD) **

BILT-PLATES® 156	Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size μm , 0.5	
DIXIE CLAY®	Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size μm , 0.5	
PAR® CLAY	Hydrated aluminum silicate, hard clay, Kaolin. Median Particle Size μm , 0.5	

CLAY (SOFT) **

McNAMEE® CLAY	Hydrated aluminum silicate, soft clay, Kaolin. Median Particle Size μm , 2.5	
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PYROPHYLLITE

PYRAX® ABB	Hydrated aluminum silicate, Pyrophyllite. Median Particle Size μm , 19	
PYRAX B **	Hydrated aluminum silicate, Pyrophyllite. Median Particle Size μm , 18	

SMECTITE CLAY

VAN GEL® B Granules	Processed magnesium aluminum silicate	
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LOW ASPECT RATIO WOLLASTONITE

VANSIL® W-40	Calcium metasilicate. Median Particle size μm , 7	
VANSIL W-50	Calcium metasilicate. Median Particle size μm , 5	

HIGH ASPECT RATIO WOLLASTONITE

VANSIL® HR-1500	Calcium metasilicate. Median Particle Size μm , 13	
VANSIL HR-2000	Calcium metasilicate. Median Particle Size μm , 17	
VANSIL WG	Calcium metasilicate. Median Particle Size μm , 28	

POLYMERS

Exxon™ Butyl	Butyl Rubber	IIR
Exxon™ Bromobutyl	Brominated Butyl Rubber	BIIR
Exxon™ Chlorobutyl	Chlorinated Butyl Rubber	CIIR
Exxpro™ Specialty Elastomers	Brominated copolymer of isobutylene and paramethylstyrene	BIMS
Neoprene	Polychloroprene Rubber	CR
Neoprene Liquid Dispersion	Aqueous Colloidal Dispersion of Polychloroprene Rubber	CR
Vistalon™	Ethylene Propylene Rubber and Ethylene Propylene Diene Rubber	EPR/EPDM
Vistamaxx™	Polypropylene-based Elastomers	PBE
Tecnoflon®	Fluoroelastomer and Perfluoroelastomer	FKM/FFKM

POLYMERS MODIFIERS

VANSYN™	Polyalphaolefin Fluids (Grades: 4, 6, 10, 40)	PAO
Vistamaxx™	Polypropylene-based Elastomers	PBE
EXACT™ Plastomers	Ethylene alpha olefin copolymers	POE

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RESPONSIBLE CARE[®]
OUR COMMITMENT TO SUSTAINABILITY



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