



# General Products Listing

web: [www.harwickstandard.com](http://www.harwickstandard.com)

phone: 330-798-9300

| Product Type                     | Product Trade Name                          | Producer/Supplier                   |
|----------------------------------|---|-------------------------------------|
| <b>Accelerators</b>              |   |                                     |
| Dithiocarbamates                 | Accelerator: TDEC, ZBEC, ZDBC, ZDEC, ZDMC   | Harwick Standard                    |
|                                  | Ekaland™: NDBC                              | MLPC International                  |
| Guanidines                       | Ekaland: DOTG, DPG                          | MLPC International                  |
| Parabenzquinone Dioximes         | Ekaland: BQD 30DS, 30DX, 50HU               | MLPC International                  |
| Paradinitrosobenzenes            | Ekaland: PPDN 30 DX, 50 HU;                 | MLPC International                  |
|                                  | Rosinox                                     | MLPC International                  |
| Phenoldisulfides                 | Vultac®: 2, 3, 5, 710, TB7, TB710           | Arkema, Inc.                        |
| Thiadiazole                      | Echo A                                      | Arkema, Inc.                        |
| Thiazoles                        | Accelerator: MBD, MBT, MBTS, ZMBT           | Harwick Standard                    |
| Thioureas                        | Ekaland: DATU, DBTU, DETU, DOTTU, DPTU, ETU | MLPC International                  |
| Thiurams                         | Accelerator: MET, TETD, TiBTD, TMTD         | Harwick Standard                    |
|                                  | Ekaland: DPTT, TBzTD, TMTM                  | MLPC International                  |
| Sulfenamides                     | Accelerator: CBS, DCBS, MBS, TBBS           | Harwick Standard                    |
| Sulfur Donor                     | Ekaland: DTDM                               | MLPC International                  |
| <b>Anti-Foams</b>                |   |                                     |
| Silicone Anti-Foams              | AF 9000, SAG 30                             | Momentive Performance Materials     |
| <b>Antioxidants/Antiozonants</b> |   |                                     |
| Alkylated Phenols/BIS-Phenols    | Stangard® PC                                | Harwick Standard                    |
|                                  | Wingstay®: L, S, T                          | Eliokem - part of OMNOVA Solutions  |
| Amino Phenol                     | Ethanox® 4703                               | Albemarle Corporation               |
| Diphenylamines                   | Stangard ODP                                | Harwick Standard                    |
|                                  | Wingstay 29                                 | Eliokem - part of OMNOVA Solutions  |
| Mercaptobenzimidazole            | Ekaland MMBI                                | MLPC International                  |
| Paraphenylenediamines            | Stangard: 6PPD, DTPD, IPPD                  | Harwick Standard                    |
| Phenolics                        | Ethanox: 310, 376, 4702                     | Albemarle Corporation               |
| Phosphite                        | Ethaphos® 368                               | Albemarle Corporation               |
| Quinolines                       | Stangard: TMQ, TMQ-E, TMQ Powder            | Harwick Standard                    |
| Specialty Type                   | Stangard 500                                | Harwick Standard                    |
| <b>Anti-Scorch Agents</b>        |   |                                     |
| Nitroso Diphenylamine            | Ekaland Nitroso HU                          | MLPC International                  |
| Specialty Types                  | Stangard: CTP, PA                           | Harwick Standard                    |
| <b>Bonding Agents</b>            |   |                                     |
| Hexamethoxymethylmelamine        | Resimene® 3520 Liquid and 3520 S-72 Powder  | INEOS Melamines                     |
| Hexamethylenetetramine           | HEXA Free-Flowing (Pulverized)              | Momentive Specialty Chemicals, Inc. |

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|--|--|---|
| <b>Casein</b>  |  |   |
| Caseins  | Casein: 11, 12, 13   | Harwick Standard  |
| <b>Co-Curing Agents</b>                                  |  |   |
| Peroxide Cures   | <u>Acrylates:</u> Natro-Cel® 519-A, Saret 521 DLC®-A<br><u>Allylics:</u> TAC DLC-A, TAIC DLC-A<br><u>Dimethacrylates:</u> SR-206 DLC-A<br><u>Methacrylates:</u> Natro-Cel: 35-A;<br>Saret: 500, 515 DLC-A, 517 DLC-A, 517 DLC-A-75<br><u>Trimellitates:</u> Natro-Cel TATM-A   | Natrochem, Inc.<br>Natrochem, Inc.<br>Natrochem, Inc.<br>Natrochem, Inc.<br>Natrochem, Inc.   |
| <b>Coupling Agents</b>                                   |  |   |
| Liquid Organo Silanes                                    | <u>Aminos:</u> Silquest®: A-1100, A-1120<br><u>Epoxy:</u> Silquest A-187<br><u>Mercaptos:</u> Silquest: A-189, A-1891; e-free 189™ Silane<br><u>Methacryl:</u> Silquest A-174NT<br><u>Vinyls:</u> Silquest: A-151NT, A-171, A-172NT, G-170, RC-1   | Momentive Performance Materials<br>Momentive Performance Materials<br>Momentive Performance Materials<br>Momentive Performance Materials<br>Momentive Performance Materials                             |
| Dry Liquid Concentrates                                  | <u>Aminos:</u> A-1100 DLC, A-1120 DLC<br><u>Epoxy:</u> A-187 DLC<br><u>Methacryl:</u> A-174 DLC<br><u>Vinyls:</u> A-172 DLC, Sil 400 DLC<br><u>Specials:</u> Sil NX DLC (Modified Mercapto);<br>Sil EF 189 DLC (Ethanol Free A-189)  | Natrochem, Inc.<br>Natrochem, Inc.<br>Natrochem, Inc.<br>Natrochem, Inc.<br>Natrochem, Inc.   |
| Dry Silane Concentrates                                  | <u>Mercaptos:</u> DSC: 18,18N<br><br><u>Polysulfides:</u> DSC: 2S, 4S<br><br><u>Vinyl:</u> DSC 74  | Performance Additives Group:<br>Excel Polymers - A Hexpol Co.<br><br>Performance Additives Group:<br>Excel Polymers - A Hexpol Co.<br><br>Performance Additives Group:<br>Excel Polymers - A Hexpol Co. |
| <b>Dry Liquid Concentrates</b>                           |  |   |
| Hard-to Handle Liquids<br>in Free-Flowing Powder<br>Form | Calight RPO DLC-A, CI-10 DLC-A, CI-25 DLC-A, CI-50-DLC-A,<br>DOP DLC-A, Natro-Cel 100N-A, Natro-Cel 1312-A, Natro-Cel PE-A<br>Petrolatum DLC-A, Petrolatum T DLC-A, Sunpar 2280 DLC-A,<br>Tar-Cel®: 14, 20, 30, TEA DLC-A  | Natrochem, Inc.   |
| <b>Fatty Acids</b>                                       |  |   |
| Stearic Acid   |  | Harwick Standard  |
| <i>Tallow Based</i>                                      | <u>Heat Stable, High Assay:</u> Stearic Acid F-300<br><u>Technical Grades:</u> Stearic Acid: F-1000, F-1500<br><u>General Purpose Rubber Grade:</u> F-2000   |   |
| <i>Vegetable Based</i>                                   | <u>General Purpose Rubber Grade:</u> F-2500  |   |
| <b>Fillers</b>   |  |   |
| Calcium Carbonate  | GLC-1003, 1006, 1012, 1012d, 1013  | Great Lakes Calcium Corporation   |
| Carbon Black - <i>Furnace Blacks</i>                     | <u>Very High Reinforcing:</u> N110, N121, N134<br><u>High Reinforcing:</u> N220, N231, N234, N299<br><u>Medium Reinforcing:</u> N326, N330, N339, N347, N351, N358<br><u>Semi-Reinforcing:</u> N550, N650, N762, N772, N774<br><u>Clean Semi-Reinforcing:</u> SR530, SR630, SR730<br><u>Specialty Grades, Inks, Coating &amp; Plastic:</u> SR155, SR301, SR310,<br>SR401, SR511<br><br><u>Conductive:</u> Sidcon 119, 159, 419 | Sid Richardson Carbon Company   |



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| <b>Fillers</b>                             |  |                               |
| Clays - Hard (Air Floated)                 | Champion® and Natka® 1200, Type 80   | Active Minerals Int'l LLC     |
| Clays - Soft                               | GK 990, 995, 997   | M & M Clay                    |
| Clays - Hard (Kaolin)                      | <u>Calcined:</u> GK-IB, GK-IC, GK-300, GK-500  | M & M Clay                    |
|  | <u>Water-Washed:</u> GK-100, GK-170, GK-400  | M & M Clay                    |
|  | <u>Surfaced-Modified:</u> GK-KE (vinyl), GK-5178 (silicone), GK-2211 (amino)   | M & M Clay                    |
| Coal - Ground                              | Austin Black® 325  | Coal Fillers, Inc.            |
| Fine Cellulose Filler                      | Solka-Floc®: 20, 40, 40E, 100, 200, 300  | International Fiber           |
| Silica - Precipitated, Hydrated, Amorphous | <u>Highly Reinforcing Grades:</u> Hi-Sil™: 134G, 190G, 900, 915  | PPG Industries                |
|  | <u>Reinforcing Grades:</u> Hi-Sil: 210, 233, 243 LD  | PPG Industries                |
|  | <u>Semi-Reinforcing Grades:</u> Hi-Sil 532 EP, Silene® 732D  | PPG Industries                |
|  | <u>Surface Treated Grade:</u> Agilon 400; Ciptane I (Hi-Sil 210 base)<br>Ciptane I (Hi-Sil 210-base)                               | PPG Industries                |
|  | <u>Amorphous Semi-Reinforcing Grade:</u> Silica S  | Harwick Standard              |
| <b>Fire Retardants</b>                     |  |                               |
| Antimony Oxides                            | Low Tint, High Tint, Wetted  | Harwick Standard              |
| Chlorinated Paraffins                      | Chloroflo® 42;   | Dover Chemical                |
|  | Paroil®: 54NR, 58NR, 60H, 63NR, 140, 142, 142 LV   | Dover Chemical                |
|  | CPW-100 and CPW 100-HS Waxes   | Harwick Standard              |
| Fire-Resistant Hydraulic Fluid             | Fyrquel® 220   | ICL Supresta                  |
| Magnesium Hydroxide                        | Magnesium Hydroxide  | Harwick Standard              |
| Pentaerythritol                            | Charmor™ PT40  | Perstorp Polyols              |
| Phosphate Ester Plasticizers               | <u>Aryls:</u> Lindol® TCP, Phosflex®: 41L, 71B   | ICL Supresta                  |
|  | <u>Alkylated Aryls:</u> Phosflex: 362, 370, 390  | ICL Supresta                  |
|  | <u>Alkyl:</u> Phosflex T-BEP   | ICL Supresta                  |
| Zinc Borates                               | Firebrake®: ZB, ZB Fine, ZB-XF, 415, 500   | Rio Tinto Minerals            |
| <b>Lubricants</b>                          |  |                               |
| Low Molecular Weight Olefin Waxes          | <u>Coating Grades:</u> Epolene® C-10, C-13, C-15, C-16*, C-16P*, C-17, C-18*   | Westlake Longview Corporation |
|  | <u>Emulsifiable Grades:</u> Epolene: E-10, E-14*, E-14P*, E-16, E-20*<br>E-43, E-43P   | Westlake Longview Corporation |
|  | * = chemically modified      P = Powder  |                               |
|  | <u>Non-Emulsifiable Grades:</u> Epolene: N-10, N-10P, N-11,<br>N-14, N-14P, N-15, N-15P,<br>N-21, N-21P, N-34, N-34P<br>P = Powder |                               |

| Product Type | Product Trade Name | Producer/Supplier |
|--------------|--------------------|-------------------|
|--------------|--------------------|-------------------|

### Lubricants (continued)

|                                       |  |   |
|---------------------------------------|--|---|
| Low Molecular Weight Polyethylene Wax | Stan-Wax 1012  | Harwick Standard  |
| Polyethylene Emulsion                 | PE-40  | Harwick Standard  |
| PTFE Powders                          | Daikin PTFE L-5F, LF-100   | Daikin America  |
| Silicone Emulsions                    | <u>Std. Dimethyls</u> : SM-2128 (FDA), SM-2140 NPF (Nonyl Phenol SM-2162, SM-2163 NPF)<br><u>Specialties</u> : SM-2059, SM-2068A   | Momentive Performance Materials<br>Momentive Performance Materials                                    |
| Silicone Fluids                       | <u>Std. Dimethyls</u> : Element 14 PDMS (5-1000)<br>Phenyl: SF-1154<br><u>Specialties</u> : SF 69, SF 18-350 (FDA), SF-1023 (Silanol)<br><u>Phenyl</u> : SF-1154<br><u>Alkyl</u> : SF-1147 | Momentive Performance Materials<br>Momentive Performance Materials<br>Momentive Performance Materials |
| Tire Lubricants                       | Lubrex® BTC 15<br><br>Silicone Emulsion 350  | Performance Additives Group:<br>Excel Polymers - A Hexpol Co.<br><br>Harwick Standard                 |

### Magnesium Oxides

|  |   |   |
|--|---|---|
|  | <u>Medium Surface Area Bar</u> : Stan-Mag Bars                            | Performance Additives Group:<br>Excel Polymers - A Hexpol Co. |
|  | <u>Medium Surface Area Bead</u> : Stan-Mag Mini-Beads                     |   |
|  | <u>Combination Zinc Oxide/Magnesium Oxide</u> :<br>Stan-Mag: 1326 HR, MBZ |   |
|  | <u>Low Surface Area Powder</u> : Stan-Mag 112                             |   |
|  | <u>Medium Surface Area Powder</u> : Stan-Mag MLW                          |   |
|  | <u>High Surface Area Powders</u> : Stan-Mag: AG, DS2                      |   |

### Metallic Stearates

|                    |  |                   |
|--------------------|--|-------------------|
| Metallic Stearates | <u>Aluminum</u> : 303 (distearate), 505 (monostearate), 404 (tristearate)        | Ferro Corporation |
|                    | <u>Calcium</u> : 114-36, NF, Wetable (precipitated);<br>12B, 114-40, 15F (fused) | Ferro Corporation |
|                    | <u>Magnesium</u> : 90  | Ferro Corporation |
|                    | <u>Zinc</u> : 8, ACF, D, USP, Wetable (fused)                                    | Ferro Corporation |
|                    | <u>Barium</u>  | Ferro Corporation |
|                    | Potassium, Sodium Stearates  | Harwick Standard  |

### Multifunctional Additives

|                     |   |                               |
|---------------------|---|-------------------------------|
| Polyethylene Glycol | <u>Liquids</u> : EF® E-200, 300, 400, 600, 1000 | Environmental Fluids USA, LLC |
|                     | <u>Semi-Solids</u> : EF® E-1450, 1500, 2000     | Environmental Fluids USA, LLC |
|                     | <u>Solids</u> : EF® E-3350, 4000, 6000, 8000    | Environmental Fluids USA, LLC |

### Peroxides

|                           |  |                              |
|---------------------------|--|------------------------------|
| Vulcanizers and Catalysts | <u>Diacyl</u> : Luperox® A-98, ANS55   | Arkema, Inc.                 |
|                           | <u>Diacyl</u> : Noviper® DB50  | Novichem                     |
|                           | <u>Dialkyls</u> : Di-Cup®: R, 40C, 40KE, DC40P-SP2;<br>Vul-Cup®: R, 40 KE, 40SI; | Arkema, Inc.<br>Arkema, Inc. |
|                           | Luperox: 101, 101XL-45, 130,<br>EZD-SP2, F40P-SP2, HP101XLP                      | Arkema, Inc.                 |
|                           | <u>Peroxyester</u> : Luperox P   | Arkema, Inc.                 |
|                           | <u>Peroxyketal</u> : Luperox: 230XL-40, 230XL-40SP<br>231, 231XL40, 231XL40-SP   | Arkema, Inc.                 |



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| <b>Pigments</b>               |   |   |
| Dry Pigments                  | Stan-Tone™ :D and DC  | Performance Additives Group:<br>Excel Polymers - A Hexpol Co. |
|                               | <u>Anatase and Rutile:</u> Tipaque® Titanium Dioxide<br><i>(Limited Regions Only)</i> | Ishihara Corp (USA)   |
|                               | <u>Anatase:</u> Stan-Pig A-1  | Harwick Standard  |
|                               | <u>Rutile:</u> Stan-Pig: R-200, R-300, R-400  | Harwick Standard  |
| Polymeric Pigment Dispersions | Stan-Tone EP, MB, MC  | Performance Additives Group:<br>Excel Polymers - A Hexpol Co. |
| <b>Plasticizers</b>           |   |   |
| Phthalates                    | Polycizer®: DBP, DIDP, DIDP-E, DINP, DOP, DOTP;<br>Merrol® DAP                        | Harwick Standard  |
| Phthalate Free                | Polycizer DHIN  | Harwick Standard  |
| Sebacates                     | Polycizer: DBS, DOS   | Harwick Standard  |
| Adipates                      | Polycizer: DBEEA, DOA<br>Merrol 4226 (DBEEA)<br>Natro-Flex® BCA                       | Harwick Standard<br>Harwick Standard<br>Natrochem, Inc.       |
| Polymeric                     | Admex®: 334F, 523, 760, 761, 6187   | Eastman Chemical  |
| Polymeric Polyester Adipates  | Polycizer P-6400;<br>Merrol P6320, P6420  | Harwick Standard<br>Harwick Standard                          |
| Pentaerythritol Esters        | Hercoflex® 600  | Ashland Hercules Water Tech                                   |
| Oleates                       | Polycizer Butyl Oleate  | Harwick Standard  |
| Tallates                      | Natro-Flex IOT<br>Merrol 818T   | Natrochem, Inc.<br>Harwick Standard                           |
| Epoxides                      | Polycizer ESO, Polycizer E-68; Merrol E-68  | Harwick Standard  |
| Trimellitates                 | Polycizer: TOTM, TOTM-E, TINTM;<br>Merrol 810TM-E                                     | Harwick Standard  |
| Pine Tar Derivatives          | Tarene™: 14, 20, 30, 40   | Natrochem, Inc.   |
| Specialties                   | Polycizer MO<br>Plasticizer OLN, SC-E, SC-B<br>Merrol DOZ-E, 3810                     | Harwick Standard<br>Harwick Standard<br>Harwick Standard      |
| Benzoates                     | Benzoflex® 9-88   | Eastman Chemical  |
| Phosphate Esters              | Lindol®<br>Phosflex® 41L, 362, 390, T-BEP   | ICL Supresta<br>ICL Supresta                                  |

| Product Type                          | Product Trade Name  | Producer/Supplier                              |           |
|---------------------------------------|---|--|-----------|
| <b>Polymers/Elastomers</b>            |   |  |           |
| <b>EPDM</b>                           |   |  |           |
| Non-Oil Extended                      | <u>Copolymers</u> : Keltan®: 3200A, 740   | DSM Elastomers                                 |           |
|                                       | <u>Very Fast Curing</u> : Keltan: 512, 5508, 27, 520, 720Z, 312, 378Z, 578Z                                       | DSM Elastomers                                 |           |
|                                       | <u>Ultra Fast Curing</u> : Keltan: 2340A, 4703, 8340A, 8642A, 314, 4903   | DSM Elastomers                                 |           |
|                                       | <u>Very Low Mooney</u> : Keltan 1200A   | DSM Elastomers                                 |           |
| Oil-Extended                          | Keltan: 4331A, 4551A, 5531A, 6251A, 6531A, 7341A  | DSM Elastomers                                 |           |
| <b>SBR</b>                            |   |  |           |
| Non Oil-Extended                      | Copo®: 1500, 1502, 1507   | Lion Copolymer                                 |           |
| Oil-Extended                          | Copo: 1712, 1712C, 1712G, 1778  | Lion Copolymer                                 |           |
| Black Masterbatch                     | Carbomix®: 1605, 1620   | Lion Copolymer                                 |           |
| Black Masterbatch/Oil-Extended        | Carbomix: 1606, 1609, 1805, 1815, 1847, 1848, 3651  | Lion Copolymer                                 |           |
| <b>NBR (Nitrile)</b>                  |   |  |           |
| Cold Polymerization                   | <u>Medium Low ACN (27%)</u> : N-726   | Nitriflex                                      |           |
|                                       | <u>Medium Low ACN (28%)</u> : NBR 7150  | LG Chem  |           |
|                                       | <u>Medium ACN (33%)</u> : N-612B, N-615B, N-608;  | Nitriflex                                      |           |
|                                       | <u>Medium ACN (33%)</u> : NBR 6230, 6240, 6250, 6280, NBR 6830G, 6840, 6850                                       | LG Chem  |           |
|                                       | <u>High ACN (39%)</u> : N-300   | Nitriflex                                      |           |
|                                       | <u>High ACN (41%)</u> : NBR-3250, 3280  | LG Chem  |           |
|                                       | <u>Ultra-high ACN (45%)</u> : N-206   | Nitriflex                                      |           |
|                                       | Hot Polymerization  | <u>Medium Low ACN (30%)</u> : N-7, N-8         | Nitriflex |
|                                       |   | <u>High ACN (39%)</u> : N-5                    | Nitriflex |
|                                       | Carboxylated NBR  | <u>Medium Low ACN (27%)</u> : Nitriclean 3350X | Nitriflex |
| Nitriclean NBR<br>(low mold fouling)  | <u>Medium Low ACN (28%)</u> : Nitriclean 2858   | Nitriflex                                      |           |
|                                       | <u>Medium ACN (33%)</u> : Nitriclean: 3335, 3355; N-685, N-689B   | Nitriflex                                      |           |
|                                       | <u>High ACN (39%)</u> : N-386B  | Nitriflex                                      |           |
| NBR Powder                            | <u>Medium Low ACN (27-30%)</u> : NPX-2235 (Talc/Silica) NP-1021, NP-2170 (CaCO <sub>3</sub> )                     | Nitriflex                                      |           |
|                                       | <u>Medium ACN (33%)</u> : NP-2021 (CaCO <sub>3</sub> ), NP-3083, NP-6000, NP-6021                                 | Nitriflex                                      |           |
|                                       | <u>Medium ACN (33%)</u> : NP-1121, NP-3183 (PVC), NP-6221 (Talc)  | Nitriflex                                      |           |
|                                       | <u>High ACN (39%)</u> : NP-2150 (CaCO <sub>3</sub> )  | Nitriflex                                      |           |
| NBR/PVC                               | <u>Medium Low ACN (28%)</u> : N-7220 (70/30 NBR/PVC)  | Nitriflex                                      |           |
|                                       | <u>Medium ACN (33%)</u> : N-6420 (60/40 NBR/PVC) PDC-7423, N-7411, N-7420P, N-7410, N-7420 (above: 70/30 NBR/PVC) | Nitriflex                                      |           |
| <b>CPE (Chlorinated Polyethylene)</b> |   |  |           |
| Thermoset Grades                      | Tyrin®: CM 566E, CM 3551E, CM3630E, Tyrin EXT 1000E   | Dow Specialty Plastics & Elastomers            |           |
| Thermoplastic Grades                  | Tyrin: 2500E, 3611E, 4211E, 6000, 7100  | Dow Specialty Plastics & Elastomers            |           |



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| <b>Polymers/Elastomers (continued)</b> |   |   |
| <b>NR (Natural Rubber)</b>             |   |   |
| Natural Rubber                         | <u>Visually Graded Rubber Sheet</u> : 1RSS, 3RSS  | Harwick Standard  |
|  | <u>Technically Specified</u> : SIR & SMR: CV50, 60, GP, L, 5, 10, 20  | Harwick Standard  |
| <b>Process Oils</b>                    |   |   |
| Aromatic                               | Stan-Flux LV1   | Harwick Standard  |
| Paraffinics                            | Stan-Lube: 10, 15, 60, 80   | Harwick Standard  |
| Naphthenics                            | Stan-Plas: 100/105, 150, 300, 500, 1200, 2000   | Harwick Standard  |
| Naphthenic (FDA)                       | Stan-Plas 101C (178.3620 Part C)  | Harwick Standard  |
| White Oils (Tech Grade)                | Stan-Lube: 60-T, 90-T, 220-T, 350-T, 6006, 6056   | Harwick Standard  |
| White Oils (Food Grade)                | Duoprime® 350<br>Stan-Lube: 70-W, 90-W, 100-W, 130-W, 180-W, 220-W, 500-W   | Calumet/Penreco<br>Harwick Standard                         |
| <b>PVC Additives</b>                   |   |   |
| Acrylic Impact Modifiers               | Paraloid™: BTA-753ER, EXL-3361, EXL-5136,<br>K-120ND, K-125, K-130D, K-175, K-400,<br>KF-710, KM-330, KM-334, KM-940  | Dow Plastics Additives                                      |
| Lubricants - Bisamide Wax              | Advawax™ 280  | Dow Plastics Additives                                      |
| Lubricants - Vinyl                     | Advalube™: B-3314, B-4540, E-2100, F-1060LN   | Dow Plastics Additives                                      |
| Lubricants - Vinyl -1 pack systems     | Advapak™: S-1100, S-1203  | Dow Plastics Additives                                      |
| Stabilizers for Flexible               | Micro-Chek® (Biocides): 11-DIDP, 11-IPA, 11-P<br>Therm-Chek® (Mixed Metal Heat Stabilizer):<br>Barium/Zinc Based; Calcium/Zinc Based<br>UV-Chek® (Ultra-Violet): AM-300, AM-340 | Ferro Corporation<br>Ferro Corporation<br>Ferro Corporation |
| Stabilizers (Tin) for Rigid            | Advastab™: TM-181-FS, TM-291, TM-404ER,<br>TM-694, TM-900F, TM-3412   | Dow Plastics Additives                                      |
| <b>Reodorants</b>                      |   |   |
| Fragrances used in Rubber and Plastics | Stan-Mask: Baby Powder, Bubblegum, Cinnamon, Citrus, Floral, Peach, Sweet Strawberry, Vanilla, Wintergreen  | Harwick Standard  |
| <b>Resins</b>                          |   |   |
| Hydrocarbon Resins                     | <u>Aliphatic</u> : HC Resin C-5<br><u>Aromatic</u> : HC Resin C-9<br><u>Aliphatic Aromatic Blend</u> : HC Resin C-5/C9  | Harwick Standard<br>Harwick Standard                        |
| Polyterpenes                           | Picolylite®: A, C, and S Series   | Pinova Inc.   |
| Rosin Resins                           | Foral ®: 85, 105, AX, AX-A, NC;<br>Pentalyn®: 830, A, FC, G, H, X;<br>Staybelite®: A, Ester 3, Ester 3-A, Ester 5, Ester 5-A, Ester 10  | Pinova Inc.<br>Pinova Inc.<br>Pinova Inc.                   |

| Product Type                             | Product Trade Name  | Producer/Supplier  |
|--|---|--|
| <b>Resins (continued)</b>                |   |  |
| Dark Hydrocarbon                         | Resinex® 100F   | Harwick Standard   |
| Coumarone Indenes                        | Natrorez®: 10, 25, 50D  | Natrochem, Inc.  |
| High Styrenes                            | Pliolite®: S6B, S6S   | Eliokem - part of OMNOVA Solutions   |
| <b>Rubber Chemical Dispersions</b>       |   |  |
| Oil-Treated Powders                      | Redimix Line  | Performance Additives Group:<br>Excel Polymers - A Hexpol Co.                                    |
| Polymeric Bound                          | Mixland®+   | MLPC International   |
| Polymeric Modified                       | Poly Bound® Line, FKM Masterbatches   | Performance Additives Group:<br>Excel Polymers - A Hexpol Co.                                    |
| <b>Sulfur</b>                            |   |  |
| Rubbers, Conditioned, and/or Oil Treated | <u>Untreated:</u> 104, 338(fine), 340(fine)<br><u>Oil Treated:</u> 209, 167<br><u>Conditioned:</u> 296(fine-oil & mag carbonate),<br>793(fine-mag carbonate)  | Harwick Standard   |
| Insoluble Sulfur                         | Vulcanizing Agent IS-HS-7020, IS-HD-7020  | Harwick Standard   |
| <b>UV Light Stabilizers</b>              |   |  |
| Benzophenones                            | Stan-Light 531  | Harwick Standard   |
| Benzotriazoles                           | Stan-Light P, 326, 327, 328, 329  | Harwick Standard   |
| HALS (Hindered amine light stabilizer)   | Stan-Light 123, 770   | Harwick Standard   |
| <b>Vulcanized Oils</b>                   |   |  |
| Vulcanized Oils                          | VVO®: Brown, White, Neophax   | Performance Additives Group:<br>Excel Polymers - A Hexpol Co.                                    |
| <b>Zinc Oxide</b>                        |   |  |
| Treated and Untreated Zinc Oxide         | <u>Untreated - Low Surface Area:</u> Stan-Zinc®: 10, 20, 40, 50, 60<br><u>Untreated - High Surface Area:</u> Stan-Zinc 30<br><u>Treated - Low Surface Area:</u> Stan-Zinc: 15, 25, 45<br><u>Treated - High Surface Area:</u> Stan-Zinc 35<br><u>USP - Low Surface Area:</u> Stan-Zinc USP | Harwick Standard<br>Harwick Standard<br>Harwick Standard<br>Harwick Standard<br>Harwick Standard |