



Distributed in the Interest  
of Product Development

# VANDERBILT

## Minerals Formula

### Formula 071614

#### Alkyd Modified Acrylic Latex Maintenance Primer

**DARVAN®7-N<sup>1</sup>** Dispersant, **VEEGUM® CER<sup>1</sup>** Magnesium Aluminum Silicate,  
**ACTIV-8®<sup>1</sup>** Drier, Stabilizer and Accelerator

	Pounds	Gallons	Kilograms	Liters
<b>DISPERSION</b>				
Water	109.3	13.1	12.92	12.92
Drewplus® L 475 <sup>2</sup>	1.0	0.1	0.12	0.13
28% Ammonium Hydroxide	1.0	0.1	0.12	0.13
<b>DARVAN®7-N<sup>1</sup></b> Dispersant	13.5	1.4	1.62	1.40
Triton® X 405 <sup>3</sup>	1.5	0.2	0.18	0.18
Texanol® <sup>4</sup>	10.0	1.2	1.20	1.25
<i>Pre-blend the resin and driers and add:</i>				
Beckosol® 1271 <sup>5</sup>	57.0	6.8	6.83	6.83
<b>ACTIV-8®1</b> Drier, Stabilizer and Accelerator	0.2	0.0	0.02	0.03
12% Zirconium Hex-Cem® <sup>5</sup>	1.7	0.2	0.20	0.21
6% Cobalt Cem-All® <sup>6</sup>	0.3	0.0	0.04	0.04
6% Manganese Nap-All® <sup>6</sup>	0.3	0.0	0.04	0.04
Skinol® No 2 <sup>6</sup>	0.5	0.1	0.06	0.07
Triton® X 100 <sup>3</sup>	4.5	0.5	0.54	0.51
Ethylene Glycol	20.0	2.2	2.40	2.16
15% Sodium Nitrite	6.0	0.7	0.72	0.72
Ti-Pure® R-960 <sup>7</sup>	150.0	4.5	17.99	4.50
325 Mesh Mica	25.0	1.1	3.00	1.06
Gama-Sperse® 80 <sup>8</sup>	140.0	6.2	16.79	6.19
Busan® 11M1 <sup>9</sup>	100.0	3.6	11.99	3.63
<b>VEEGUM® CER<sup>1</sup></b> Magnesium Aluminum Silicate	5.0	0.2	0.60	0.23
<i>Disperse at high shear for 15 minutes. Reduce speed for Let Down.</i>				
<b>LET DOWN</b>				
Rhoplex® MV 23LO <sup>3</sup>	475.0	54.1	56.95	54.04
Drewplus® L 475 <sup>2</sup>	1.0	0.1	0.12	0.13
2.5% Cellosize® QP-4400 <sup>3</sup>	30.0	3.6	3.60	3.60
<i>Mix at slow speed for 10 minutes.</i>				
<b>TOTALS</b>	<b>1152.8</b>	<b>100.0</b>	<b>138.05</b>	<b>100.00</b>
<b>PAINT PROPERTIES</b>				
Density	11.5 lbs/gal		1.38 g/cc	
% Solids by weight	59.0			
% Solids by volume	43.9			
PVC	35.5			
Pigment to binder ratio	1.61:1			
Calculated VOC	0.62 lbs/gal		74 g/L	

#### RAW MATERIAL SUPPLIERS

- <sup>1</sup> Vanderbilt Minerals, LLC, Norwalk, CT
- <sup>2</sup> Ashland Specialty Chemical Company, Columbus, OH
- <sup>3</sup> Dow Chemical Company, Midland, MI
- <sup>4</sup> Eastman Chemical, Kingsport, TN
- <sup>5</sup> Reichhold Incorporated, Research Triangle Park, NC
- <sup>6</sup> OM Group, Incorporated, Cleveland, OH
- <sup>7</sup> E.I. DuPont de Nemours & Company, Wilmington, DE
- <sup>8</sup> Imerys Minerals, LTD, Roswell, GA
- <sup>9</sup> Buckman Laboratories International, Incorporated, Memphis, TN

#### TRADEMARKS

Registered and pending trademarks appearing printed in bold in these materials are those of Vanderbilt Minerals, LLC. For a complete listing, please visit [Trademark Listing](#). Beckosol is a registered trademark of Reichhold Chemicals, Inc. Busan is a registered trademark of Buckman Laboratories International, Inc. Cellosize and Triton are registered trademarks of Union Carbide Chemicals & Plastics Technology Corporation. Cem-All, Hex-Cem, Nap-All and Skino are registered trademarks of OM Group, Inc. Drewplus is a registered trademark of Ashland Licensing and Intellectual Property, LLC. Gama-Sperse is a registered trademark of Imerys Marble, Inc. Texanol is a registered trademark of Eastman Chemical Company. Ti-Pure is a registered trademark of E.I. du Pont de Nemours & Company

11/06/2014

**Vanderbilt Minerals, LLC, 33 Winfield Street, P.O. Box 5150, Norwalk, CT 06856-5150**  
**Telephone: (800) 562-2476 - Fax: (203) 855-1220 - Web Site: [vanderbiltminerals.com](http://vanderbiltminerals.com)**

Before using, read, understand and comply with the information and precautions in all applicable Safety Data Sheets, labels 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 Minerals, 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.