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VANDERBILT

Minerals Formula

Formula 062811

Water-Borne Alkyd Modified Acrylic Latex Corrosion Inhibitive Primer

VANSIL® W 50¹ Wollastonite, DARVAN® CN¹ Dispersing Agent,

ACTIV-8®¹, Drier Accelerator and Stabilizer

	<u>Pounds</u>	<u>Gallons</u>	<u>Kilograms</u>	<u>Liters</u>
DISPERSION				
Water	116.8	14.0	13.99	13.99
Cellosize® QP 4400 ²	1.0	0.1	0.12	0.09
AMP-95® ³	0.5	0.1	0.06	0.06
Butyl Carbitol ²	50.0	6.3	5.99	6.28
DARVAN® CN ¹	18.0	1.9	2.16	1.94
Igepal® CO 630 ⁴	2.5	0.3	0.30	0.28
Surfynol® 104 BC ⁵	4.0	0.5	0.48	0.53
Ti-Pure® R 900 ⁶	100.0	3.0	11.98	2.99
VANSIL® W 50 ¹	60.6	2.5	7.26	2.50
Halox® SZP 391 ⁷	67.6	2.5	8.10	2.50
Kadox® 515 ⁸	5.0	0.1	0.60	0.11

Mix at high speed for 15 minutes. Reduce speed for let down.

LET DOWN

Rhoplex® MV 23 LO ²	500.0	57.9	59.88	57.80
Texanol® ⁹	5.5	0.7	0.66	0.69
<i>Preblend the next 5 items and add:</i>				
Beckosol® 1271 ¹⁰	55.6	6.7	6.66	6.66
ACTIV-8® ¹	0.2	0.0	0.02	0.03
6% Cobalt drier	0.3	0.0	0.04	0.04
12% Zirconium drier	1.7	0.2	0.20	0.21
6% Manganese drier	0.3	0.0	0.04	0.03
Drewplus® L 475 ¹¹	1.0	0.1	0.12	0.13
Nuosept® 95 ¹¹	2.0	0.2	0.24	0.21
Acrysol® RM 825 ²	15.0	1.7	1.80	1.73
10% Sodium Nitrite	10.0	1.2	1.20	1.20

Mix at slow speed for 10 minutes.

TOTALS	1017.3	100.0	121.86	100.00
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PAINT PROPERTIES

Density	10.2lbs/gal	1.219 g/l
% Solids by weight	51.6	
% Solids by volume	40.4	
% PVC	20	
Pigment to binder ratio	0.90:1	
Calculated VOC	1.37 lbs/gal	164 g/l

RAW MATERIAL SUPPLIERS

- ¹Vanderbilt Minerals, LLC, Norwalk, CT
- ²Dow Chemical Company, Midland, MI
- ³Angus Chemical Company, Buffalo Grove, IL
- ⁴Rhodia Incorporated, Cranberry, NJ
- ⁵Air Products and Chemicals, Allentown, PA
- ⁶E.I. duPont de Nemours & Company, Wilmington, DE
- ⁷Halox Pigment, Hammond, IN
- ⁸Zinc Corporation of America, Monaca, PA
- ⁹Eastman Chemical, Kingsport, TN
- ¹⁰Reichhold Incorporated, Research Triangle Park, NC
- ¹¹Ashland Specialty Chemical Company, Columbus, OH

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