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VANDERBILT

Minerals Formula

Formula 070809
General Purpose Primer for Stain Blocking and Tannin Blocking
DARVAN® 7-N¹ Dispersing Agent,
ACTIV-8®¹ Drier Accelerator and Stabilizer

	<u>Pounds</u>	<u>Gallons</u>	<u>Kilograms</u>	<u>Liters</u>
DISPERSION				
Water	85.0	10.2	10.19	10.19
Cellose® QP 4400 ²	1.0	0.1	0.12	0.09
Ammonium Hydroxide	1.0	0.1	0.12	0.13
Ethylene Glycol	30.0	3.2	3.60	3.23
DARVAN 7-N¹ Dispersing Agent	15.0	1.6	1.80	1.55
Igepal® CO 630 ²	2.5	0.3	0.30	0.28
Surfynol® 104 BC ³	4.0	0.5	0.48	0.53
Ti-Pure® R900 ⁴	150.0	4.5	17.98	4.49
Min-flex® 325 ⁵	25.0	1.1	3.00	1.07
Halox® BW 100 ⁶	50.0	2.2	6.00	2.19
Zinc Oxide	10.0	0.2	1.20	0.22

*High speed disperse for 15 minutes.
Reduce speed for let down.*

LET DOWN

Rhoplex® MV 23-LO Latex ⁷	550.0	63.7	65.91	63.62
Texanol® ⁷	6.0	0.8	0.72	0.75
<i>Preblend the next five items and add:</i>				
Aroplaz® 1271 Alkyd Resin ⁸	57.4	6.9	6.88	6.88
6% Cobalt drier	0.3	0.0	0.04	0.04
6% Manganese drier	0.3	0.0	0.04	0.04
12% Zirconium drier	1.7	0.2	0.21	0.19
ACTIV-8¹ Drier Accelerator and Stabilizer	0.2	0.0	0.03	0.03
Drewplus® L 475 ⁹	2.0	0.3	0.24	0.26
Acrysol® RM 825 ²	5.5	0.6	0.66	0.63
Water	30.0	3.6	3.60	3.60

Mix at slow speed for 10 minutes.

TOTALS	1026.9	100.1	123.12	100.01
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PAINT PROPERTIES

Density	10.3 lbs/gal	1.23 g/L
% Solids by weight	51.4	
% Solids by volume	40.8	
% PVC	20	
Pigment to binder ratio	0.81:1	
Calculated VOC	0.83 lbs/gal	99 g/L

RAW MATERIAL SUPPLIERS

- ¹Vanderbilt Minerals, LLC, Norwalk, CT
- ²Dow Chemical Company, Midland, MI
- ³Air Products and Chemicals, Inc., Allentown, PA
- ⁴E.I. du Pont de Nemours & Company, Wilmington, DE
- ⁵Specialty Minerals Inc., Barretts, MT
- ⁶Halox Pigment, Hammond, IN
- ⁷Eastman, Kingsport, TN
- ⁸Reichhold, Research Triangle Park, NC
- ⁹Ashland Specialty Chemical Company, Columbus, OH

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