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VANDERBILT

Minerals Formula

Formula 031710
Low VOC High Gloss Enamel Trim Paint
ACTIV-8[®] HGL¹ Drier, Stabilizer and Accelerator

	<u>Pounds</u>	<u>Gallons</u>	<u>Kilograms</u>	<u>Liters</u>
DISPERSION				
Water	87.5	10.5	10.62	10.62
Natrosol [®] Plus 330 ²	0.8	0.1	0.09	0.07
AMP-95 ^{®3}	0.6	0.1	0.07	0.08
<i>Add the following 5 items while mixing:</i>				
Disperbyk [®] 190 ⁴	2.5	0.3	0.30	0.29
Triton [®] CF-10 ³	0.8	0.1	0.09	0.09
Kathon [®] LX ³	0.4	0.1	0.05	0.05
Rhodoline [®] 643 ⁵	0.5	0.1	0.06	0.07
Ti-Pure [®] R 706 ⁶	285.0	8.6	34.59	8.65
<i>Mix at high speed for 15 minutes.</i>				
<i>Reduce speed and add:</i>				
Water	30.0	3.6	3.64	3.64
Acrysol [®] RM 8W ³	3.0	0.4	0.36	0.36
<i>Mix at slow speed for 5 minutes.</i>				
LET DOWN				
Beckosol AQ [®] 101 ⁷	545.0	63.1	66.14	62.69
<i>Preblend the next 4 items and add:</i>				
Propylene Glycol	7.8	0.9	0.95	0.91
ACTIV-8 HGL¹ Drier, Stabilizer and Accelerator	0.8	0.1	0.09	0.09
5% Cobalt Hydrocure [®] II ⁸	3.0	0.4	0.36	0.40
12% Zirconium Hydro-Cem ^{®8}	6.3	0.7	0.77	0.70
<i>Preblend the next 3 items and add:</i>				
Water	73.4	8.8	9.10	9.10
Rhodoline [®] 643 ⁵	1.0	0.1	0.12	0.14
Acrysol [®] RM 8W ³	17.0	2.0	2.06	2.06
<i>Mix at slow speed for 10 minutes.</i>				
TOTALS	1065.4	100.0	129.46	100.01
PAINT PROPERTIES				
Density	10.7 lbs/gal		1.29 g/ml	
% Solids by weight	55.4			
% Solids by volume	42.9			
% PVC	20			
Pigment to binder ratio	0.94:1			
Calculated VOC	0.28 lbs/gal		35 g/l	

RAW MATERIAL SUPPLIERS

¹Vanderbilt Minerals, LLC, Norwalk, CT
²Aqualon Co., Wilmington, DE
³Dow Chemical, Midland, MI
⁴Byk Chemie, Wallingford, CT
⁵Rhodia, Cranberry, NJ
⁶E. I. DuPont, Wilmington, DE
⁷Reichhold, Research Triangle Park, SC
⁸OM Group, Cleveland, OH

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Rhodoline is a registered trademark of Rhodia.
Triton is a registered trademark of Union Carbide Chemicals & Plastics Technology Corporation.
Ti-Pure is a registered trademark of E. I. du Pont de Nemours & Company.

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