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VANDERBILT

Minerals Formula

Formula 012414

Gray Acrylic Latex Rust Inhibitive Primer

VAN GEL® SX¹, Magnesium Aluminum Silicate, **DARVAN® 7-N¹**, Dispersing Agent

	Pounds	Gallons	Kilograms	Liters
DISPERSION				
Water	125.0	15.0	15.01	15.01
DARVAN® 7-N¹ Dispersing Agent	12.5	1.3	1.50	1.29
Triton® CF-10 ²	2.5	0.3	0.30	0.28
Drewplus® L 475 ³	1.5	0.2	0.18	0.20
Methyl Carbitol® ²	25.0	2.9	3.00	2.94
In can preservative	0.5	0.1	0.06	0.04
<i>Mix at slow speed and add</i>				
Tint-Ayd AT 3451 Yellow Iron Oxide ⁴	10.0	0.6	1.20	0.64
Ti-Pure® R 706 ⁵	185.0	5.6	22.21	5.55
Zinc Phosphate, JO 855 ⁶	30.0	1.1	3.60	1.12
325 Mesh Mica ⁷	30.0	1.3	3.60	1.27
Gama-Sperse® 80 ⁸	120.0	5.3	14.41	5.32
Raven® H2O ⁹	4.0	0.3	0.48	0.27
VAN GEL® SX¹	5.0	0.2	0.60	0.24
Magnesium Aluminum Silicate				
<i>Disperse at high speed for 20 minutes. Reduce speed for let down.</i>				
LET DOWN				
Aroclon® 847-W-42 Latex ¹⁰	475.0	55.8	57.03	55.80
Butyl Cellosolve® ²	45.0	6.0	5.40	6.00
10% Sodium Nitrite	4.0	0.5	0.48	0.48
28% Ammonium Hydroxide	2.0	0.3	0.24	0.26
Water	26.7	3.2	3.30	3.30
<i>Mix at slow speed for 10 minutes.</i>				
TOTALS	1103.4	100.0	132.6	100.01
PAINT PROPERTIES				
Density	11.0		1.32	
% Solids by weight	55.7			
% Solids by volume	36.4			
PVC	38.7			
Pigment to binder ratio	1.90:1			
Calculated VOC	1.46		176	

RAW MATERIAL SUPPLIERS

- ¹ Vanderbilt Minerals, LLC, Norwalk, CT
- ² Dow Chemical Company, Midland, MI
- ³ Ashland Specialty Chemical Company, Columbus, OH
- ⁴ Elementis Specialties, Inc, Hightstown, NJ
- ⁵ E.I. DuPont de Nemours & Company, Wilmington, DE
- ⁶ Rockwood Pigments NA Incorporated, Beltsville, MD
- ⁷ KMG Minerals, Kings Mountain, NC
- ⁸ Imerys Minerals, LTD, Roswell, GA
- ⁹ Columbian Chemicals Company, Marietta, GA
- ¹⁰ Reichhold Incorporated, Research Triangle Park, NC

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Raven is a registered trademark of Columbian Chemical Company.

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Ti-Pure is a registered trademark of E.I. du Pont de Nemours & Company.

03/28/2014

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