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VANDERBILT

Minerals Formula

Formula 010814
Yellow TX-DOT Traffic Marking Paint
DARVAN® CN¹ Dispersing Agent, **VAN GEL® ES¹** Magnesium Aluminum Silicate

	Pounds	Gallons	Kilograms	Liters
DISPERSION				
Encor® DT 400 Latex ²	375.0	43.1	44.90	43.05
DARVAN® CN¹ Dispersing Agent	9.0	1.0	1.08	0.97
Drewplus® L 475 ³	2.0	0.3	0.24	0.26
28% Ammonium Hydroxide	2.0	0.3	0.26	0.26
Ti-Pure® R 900 ⁴	20.0	0.6	2.40	0.60
Dolocron® 45-12 ⁵	650.0	28.8	77.83	28.72
Sunbrite® Yellow 65 ⁶	30.0	2.1	3.59	2.10
VAN GEL® ES¹ Magnesium Aluminum Silicate	10.0	0.4	1.20	0.46
<i>Disperse at high speed for 15 minutes. Reduce speed for Let Down.</i>				

LET DOWN				
Encor® DT 400 Latex ²	125.0	14.4	14.97	14.35
Anhydrous Methanol	25.0	3.8	2.99	3.74
Texanol ⁷	25.0	3.1	2.99	3.12
Drewplus® L 475 ³	2.0	0.3	0.24	0.26
Nuosept® 44 ³	2.0	0.3	0.24	0.18
Water	15.0	1.8	1.92	1.92
<i>Mix at slow speed for 10 minutes.</i>				

TOTALS	1292.0	100.3	154.85	99.94
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PAINT PROPERTIES

Density	12.9 lbs/gal	1.55 g/cc
% Solids by weight	74.9	
% Solids by volume	60.3	
PVC	52.6	
Pigment to binder ratio	2.71:1	
Calculated VOC	0.74 lbs/gal	89 g/L

RAW MATERIAL SUPPLIERS

- ¹ Vanderbilt Minerals, LLC, Norwalk, CT
- ² Arkema Emulsion Systems, Cary, NC
- ³ Ashland Specialty Chemical Company, Columbus, OH
- ⁴ E.I. DuPont de Nemours & Company, Wilmington, DE
- ⁵ Specialty Minerals Incorporated, Barretts, MT
- ⁶ Sun Chemical Corporation, Cincinnati, OH
- ⁷ Eastman Chemical, Kingsport, TN

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