

EcoVAE[®] 401 Interior EggShell

Formulation for MPI Standard #44 Approval

VOC <50 g/L

Formula: 10-ES36031

<u>Ingredient</u>	<u>Pounds</u>	<u>Gallons</u>
Water	250.00	29.96
Propylene Glycol	5.00	0.58
¹ Natrosol [®] Plus 330	2.00	0.17
Mix High Speed 5 minutes, then add on Low Speed		
² AMP-95	4.50	0.57
³ Acticide [®] BW-20	1.10	0.12
⁴ FoamStar [®] A-38 Defoamer	2.00	0.25
⁵ Tamol [™] 1124 Dispersant	3.30	0.34
⁶ Carbowet [®] 106	2.00	0.25
Mix then add		
⁷ Tronox [®] CR-826	250.00	7.49
⁸ Zeolex [®] 94HP	40.00	2.28
⁹ Minex [®] 7	50.00	2.30
Disperse to 5 Hegman, then add		
Water	95.50	11.45
¹⁰ EcoVAE[®] 401 Emulsion Polymer	375.00	42.00
¹¹ Texanol [®]	5.00	0.63
Mix 5 minutes, then add		
¹² Polyphobe [®] TR-116	9.00	0.99
¹² Polyphobe [®] TR-117	3.50	0.38
Mix High Speed 5 minutes, then add on Low Speed		
⁴ FoamStar [®] A-38 Defoamer	2.00	0.25
TOTAL	1099.90	100.00

<u>Physical Constants</u>	
Density (lbs. / gal.)	11.00
% NVV	35.39
% NVM	51.02
% PVC	35.66
VOC (g/L)	<50

<u>Performance Properties</u>	
KU Viscosity	108
ICI Viscosity	1.0
pH	9.1
60° Gloss	6.4
85° Sheen	16.7
Contrast Ratio	97.5
Y Reflectance	93.4
Scrub Resistance ¹	>1500 cycles
Burnish Resistance ²	≤ 30% Δ

1 - Master Painters Institute Standard #44 - paragraph 4.5

2 - Master Painters Institute Standard #44 - paragraph 4.6



When EcoVAE[®] 401 is used in Celanese Formulation 10-ES36031, the formula passed the criteria for MPI #44 GPS-2 certification.

www.celanese-emulsions.com

www.ecovae.com

Supplier Reference

1 Hercules	5 Rohm & Haas	9 Unimin
2 Dow - Angus	6 Air Products	10 Celanese
3 Thor Products	7 Tronox	11 Eastman
4 Cognis	8 Huber Engineered Materials	12 UCAR Emulsion Systems

Release Date: April, 2010