



# Formulation

## Styrene Butadiene Latex Nicotine/Water Stain Blocking Primer for Ceiling Tile using HALOX XTAIN A

<u>GRIND</u>		<u>LBS./100 GALS.</u>	<u>GRAMS/LITER</u>
Water		110.00	132.00
Nopco NDW	[1]	1.00	1.20
KTPP	[2]	1.50	1.80
AMP-95	[3]	4.00	4.80
Propylene Glycol	[4]	7.20	8.64
Dowanol PPh	[5]	10.00	12.00
Surfynol 104 PG-50	[6]	6.75	8.10
Dowicil 75	[5]	1.00	1.20

Add the following raw materials in order listed.

Tronox CR-822	[7]	150.00	180.00
HALOX XTAIN A		15.00	18.00
Zinc Oxide		17.00	20.40
Duramite	[8]	232.00	278.40

High speed disperse to a 5+ NS Hegman grind.

### LETDOWN

DL 313 NA	[5]	423.00	507.60
Nopco NDW	[1]	1.00	1.20
SCT-275	[9]	18.00	21.60
Water		121.00	145.20

Add grind portion under agitation and mix until uniform.

<b>TOTAL</b>		<u>1118.45</u>	<u>1342.14</u>
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### FORMULA CONSTANTS

% Pigment/Wt.	37.02
% Pigment/Vol.	15.60
% Solids/Wt.	55.88
% Solids/Vol.	40.70
% PVC	38.33
VOC lbs./gal.	0.67
VOC g/l	80.00

### FORMULA PROPERTIES

Density lbs./gal.	11.18
Density g/l	1342.14
pH @ R.T.	9.0-9.5
KU Visc. @ R.T.	85-90
<i>(Should not exceed a 20 KU increase after 30 days in the oven @ 55°C)</i>	
ICI (poise)	0.75-0.85

### SUPPLIER KEY

[1]	Cognis Corporation
[2]	FMC
[3]	ANGUS Chemical Co.
[4]	Eastman Chemical Co.
[5]	The Dow Chemical Co.
[6]	Air Products and Chemical, Inc.
[7]	Kerr-McGee Chemical Corp.
[8]	ECC International
[9]	Rohm and Haas Co.

The information contained herein is correct to the best of our knowledge, but is intended only as a source of information. The recommendations or suggestions herein are made without guarantee of representation as to results, and we suggest that you evaluate the recommendations contained in this formulation in your own laboratory prior to use.

**DL313/ XTAINA**

**SAH-081402**

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