



Formulation

Acrylic Latex Emulsion using HALOX XTAIN A (RHOPLEX MV-23)

<u>GRIND</u>		<u>LBS./100 GALS.</u>	<u>GRAMS/LITER</u>
Water		124.95	149.94
Nopco NDW	[1]	1.70	2.04
Natrosol 250-MBR	[2]	0.70	0.84
Ammonia Hydroxide (28%)		1.00	1.20
Ethylene Glycol	[3]	30.00	36.00
Tamol 681	[4]	18.20	21.84
Triton CF-10	[3]	2.70	3.24

Add the following raw materials in order listed:

Ti-Pure R-902	[5]	150.00	180.00
HALOX XTAIN A		5.00	294.00
Zinc Oxide		10.00	6.00
Calwhite	[6]	245.00	12.00

High speed disperse to a 5+ NS Hegman grind.

LETDOWN

Rhoplex MV-23	[4]	448.23	537.88
Texanol	[7]	4.75	5.70
Nopco NDW	[1]	1.00	1.20
Skane M-8	[4]	2.00	2.40
HALOX FLASH-X 150		5.50	6.60
Acrysol RM-8W	[4]	8.00	9.60
Water		50.00	60.00

Add grind portion under agitation and mix until uniform.

TOTAL		<u>1108.73</u>	<u>1330.48</u>
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FORMULA CONSTANTS

%Pigment/Wt.	36.04
%Pigment/Vol.	15.90
%Solids/Wt.	54.13
%Solids/Vol.	37.69
%PVC	42.00
VOC lbs./gal.	1.19
VOC g/l	143.09

FORMULA PROPERTIES

Density lbs./gal.	11.03
Density g/l	1323.88
pH @ R.T.	9.0-9.5
KU Visc. @ R.T.	90-95
<i>(Should not exceed a 20 KU increase after 30 days in the oven @ 55°C)</i>	
ICI (poise)	1.00-1.20

SUPPLIER KEY

[1]	Cognis Corporation
[2]	Aqualon
[3]	Union Carbide Corp.
[4]	Rohm and Haas Co.
[5]	Du Pont Co.
[6]	ECC International
[7]	Eastman Chemical 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.