



Formulation

General Purpose/Low Cost Water Base Primer using HALOX CW-491

<u>GRIND</u>		<u>LBS./100 GALS.</u>	<u>GRAMS/LITER</u>
Water		150.00	180.00
Butyl Cellosolve	[1]	29.00	34.80
Tamol 165	[2]	15.00	18.00
Troysol Lac	[3]	3.00	3.60
AMP 95	[4]	3.00	3.60
Drew L-493	[5]	1.00	1.20

Add the following at high speed and disperse to a 5+ NS Hegman grind.

Y.I.O. YO-2087	[6]	50.00	60.00
HALOX CW-491		100.00	120.00
Nyral 400	[7]	250.00	300.00

LETDOWN

Water		93.00	111.60
Maincote PR-71	[2]	380.00	456.00
Dibutyl Phthalate	[8]	5.70	6.80
Ammonia Hydroxide (28%)		3.00	3.60

Add grind portion under agitation and mix until uniform.
Then add the following in order listed.

Ethanol (95%)	[8]	14.50	17.40
HALOX FLASH-X 150		5.00	6.00

Add slowly while mixing at a high speed. DO NOT AERATE!

Acrysol RM 8W	[2]	5.00	6.00
Acrysol RM -1020	[2]	2.00	2.40

Mix until uniform.

TOTAL		<u>1109.20</u>	<u>1331.00</u>
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FORMULA CONSTANTS

%Pigment/Wt.	36.05
%Pigment/Vol.	16.29
%Solids/Wt.	54.20
%Solids/Vol.	31.35
%PVC	42.63
VOC lbs./gal.	1.54
VOC g/l	184.68

FORMULA PROPERTIES

Density lbs./gal.	11.09
Density g/l	1331.00
pH @ R.T.	9.0-9.5
KU Visc. @ R.T.	90-95
ICI (poise)	0.80-1.00

(Should not exceed a 20 KU
increase after 30 days in the
oven at 55°C)

SUPPLIER KEY

- [1] Union Carbide Corp.
- [2] Rohm and Haas Co.
- [3] Troy Corp.
- [4] ANGUS Chemical Co.
- [5] Ashland Chemical Co., Drew Industrial Div.
- [6] Elementis Pigments Inc.
- [7] R.T. Vanderbilt Co., Inc.
- [8] 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.