K13419 NJ9869

PIGMENTS DEPARTMENT

FORMULA SUGGESTION

COLOR RESEARCH PAINT LABORATORY

ZINC YELLOW PRIMER

~~P-190-G~~

INGREDIENT	POUNDS		Bulk	Gal.	Grinding Procedure
(A) "INPEDEX"/Extender Mill Base					
Xylol--Resin Soln.(50% solids)*	129	x	0.122	15.6	Grind (A) in ball mill
Aluminum Stearate Gel	0.5		0.120	0.1	to fineness reading
"INPEDEX" A-1-D	62		0.0471	2.9	of 6.
Asbestine 3X	95		0.0422	4.0	
Xylol	91		0.139	12.7	
	377.5			35.3	
(B) Zinc Yellow Mill Base					
Xylol- Resin Soln.(50% solids)*	109	x	0.122	13.3	Grind (B) in ball
Aluminum Stearate Gel	0.5		0.120	0.1	mill 16--20 hours.
Zinc Yellow, Y-530-D	166.		0.0343	5.7	Then add ingredients
Xylol	80		0.139	11.1	of C.
(C) Mix In					
Mill Base (A)	377.5			35.3	After adding C to B,
Xylol--Resin Solution (50% Solids)*	206	x	0.122	25.0	continue grind for additional 4 hours.
Xylol	62		0.139	8.6	
Pb Naphthenate (24% Pb)	6.4		0.106	.7	
Co " (6% Co)	3.3		0.125	.4	
	1010.7			100.2	

* To meet Bur. of Yards & Docks Spec. 52-S-8.
GE, ZV-3504 & Amer. Cyanamid, Resyl 736-5 acceptable

YIELD 100 gal.

WEIGHT PER GALLON 10.1#

CONSISTENCY 80--90 KU

DATE 6/29/44

REFERENCES 1037-5

MATERIAL COST PER GAL.

NOTES:

This primer is designed to meet the Bureau of Yards & Docks Spec. 52-P-63, Amit. 2.

SPECIFICATION OF PROPRIETARY PRODUCTS IN THE ABOVE FORMULA DOES NOT IMPLY AN UNQUALIFIED RECOMMENDATION ON OUR PART, AS THERE ARE UNDOUBTEDLY OTHERS OF SIMILAR TYPE ON THE MARKET WHICH MAY BE EQUALLY OR BETTER SUITED FOR THE PURPOSE.

WE BELIEVE THE ABOVE COSTS TO BE COMPUTED WITH REASONABLE ACCURACY. HOWEVER, COSTS OF INGREDIENTS OTHER THAN OUR OWN HAVE NOT BEEN VERIFIED. IT IS THE RESPONSIBILITY OF THE CONSUMER THEREFORE, TO BALANCE HIS FINAL FORMULAS AND FIGURE HIS OWN COSTS. DRY COLOR PRICES ARE BASED ON CONTRACT QUOTATIONS IN BARREL QUANTITIES.

E. I. DU PONT DE NEMOURS & CO.
PIGMENTS DEPARTMENT
1007 MARKET STREET, WILMINGTON, DEL.

N37963

Composition of Primer (calc.)

	%	Required by Spec. 52-P-68 Amdt. 2
Pigment	32.0	30.2% min.
Volatile	45.4	47.0 max.
Non-Volatile Vehicle	22.5	21.0 min.
Stabilizing Agent	0.1	1.0 max.
Pigment Volume	35.0	

Pigment Composition
Zinc Yellow/A.F.P./Asbestine 51.4/19.2/29.4 by wt.
45.6/22.4/32.0 by vol.

DUP050149870