

SL10000-44-112-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1892-SP & Tor.

GOODS: House Paint - White "Enamelized"

LABORATORY NO.

CONSISTENCY

COST CLASS.

DATE 6/10/60

FOR USE IN: TORONTO & SAN FRANCISCO ONLY

STRAINER

GRIND 6-7

CUSTOMER

Less than 1% Lead

MILL Pebbles

WT. OR BE 10.0#

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F.B.	TEMP.
W-170				(7.58)	265		78-82 KU	TEMP.
W-188				(0.57)	16		WISC. RED.	TEMP.
W-154				(0.71)	16		VISCOSIMETER	Stormer
CH-185				(0.26)	2.3		FLOR	SEEN H1-Gloss
W-218	Premix before			(0.40)	6.0		NON VOL.	FLASH PT.
S-72	adding to mill.			(0.61)	(4.0)		WAX	TEMP.
V-269				62.7	(492)		REDUCER	8-A3
O-265				14.0	(108)		WAX FOR BRUSHING	P.B.
S-43				9.5	(62)		SPRAYING	TUBING
VM-523				0.50	(4)		DIPPING	DRIP TIME
VM-433				0.25	(2)		WAX	TEMP.
VM-432				0.63	(6)		AIR DRIES IN	O.N.
D-43				0.58	(4)		A. D. TO RECOAT IN	48 hrs.
CH-350				0.20	(1.5)		REMARKS	CAUTION: WHEN
VM-659				1.25	(10.0)		MATERIAL IS THIXOTROPIC.	
(W-486)*				0.28	(2.0)			
Mylar Laboratories, Inc.								
Jodelomer 903							FORMULATOR	J.E. Southwick
W-486				100.12	1000.8			

Standard Formula, Not to be used

N12408

COST	DATE	ANALYSIS		CUSTOMERS Y-1892-SF & T	
		PIGMENT	30.3	HOUSE PAINT - WHITE "Enamelized"	
		VEHICLE	69.7		
			100.0%		
				6/10/60	
		PIGMENT			
		Titanium Dioxide	89.2%		
		Magnesium Silicate	5.4	No. 1 Label Warning	
		Calcium Carbonate	5.4		
			100.0%		
				Class: Miterabungh - Knuthwick	
				TMS & pipelopes 6-14-60	
				Toronto - San Francisco	
		VEHICLE		6-14-60	
		Soya Alkyd Resin	57.8%	Paul H. H. H. 7-20-60	
		Mineral Spirits & Driers	42.2	Schultz (SF) 9-2-60	
			100.0%		
				K. L. T. (L. L. H. H.)	
				F. H. H. H. 7-21-60	
				#5 (L. L. H. H.) 6-12-61	
				per L. H.	
				West India 12-6-61	
		Y-1892	066		

GLD060750

FORMULA RECORD

FORMULA NO. Y-1892-B (SP)

goods Endurance House Paint "Enamelized" White

LABORATORY NO. 6-12-64

CONSISTENCY

COST CLASS

DATE 8-3-64

FOR USE ON **San Francisco - ONLY**

STRAINER

GRIND 6-7

CUSTOMER ... Less than 1/3 Lead

MILL Pebble WT. OR BE 9 7

[illegible]

GLD060751

GLIDDEN 400-H PRINTED IN U.S.A. FROM

FORMULA RECORD

FORMULA NO. V-1802-B (SF)

GOODS Endurance House Paint "Enamelized" White

LABORATORY NO.

CONSISTENCY

COST CLASS

DATE NO. 11/6

FOR USE ON San Francisco - ONLY - 12-14

STRAINER

GRIND 6-7

CUSTOMER Less than 1% Lead

MILL Pebble

WT. OR BE 9.7

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F. B.	TEMP.
W-208				5.96	240.0		VISC. RED.	TEMP.
W-282				1.57	30.0		VISCOSIMETER	Stormer
CH-475				0.83	6.7		COLOR	SHEEN
VM-523	DI GRIND			0.14	1.1		NON VOL.	FLASH PT. 100°F.
M-333				0.31	4.3		MATCH FOR	
V-869 (25 gal. in grind)				70.40	546.0		REDUCER	S-43
O-265 (10 gal. in grind)				12.00	92.5		AMT. FOR BRUSHING	
S-43				6.00	39.0		SPRAYING	TUMBLING
VM-534				0.25	2.0		DIPPING	DRIP TIME
VM-432				0.50	4.8		BAKE	TEMP.
VM-524				0.29	2.3		AIR DRIES IN Over Night	
CH-359				0.20	1.5			
VM-659				1.00	8.1		A.D. TO RECOAT IN 48 Hrs.	
M-486				0.15	1.1			
Standard Formula. Not to be taken from File.							REMARKS: **Reissued to show grinding procedures.	
YIELD				100.61	979.00		FORMULATOR J.E. Southwick	

GLD060752

C&R FORMULA

Glidden Form 1189-1. Printed in U.S.A. 9/65

Product ENDURANCE HOUSE PAINT "ENAMELIZED" WHITE				Formula Number Y-1892-B (Cowles)		
Customer SAN FRANCISCO - ONLY				Laboratory Number		
CODE NUMBER	100 GALLON BATCH		% BY WEIGHT	MANUFACTURING INSTRUCTIONS	R.M. Cost	Date 2/11/66
	GALLONS	POUNDS			Mill Cowles	Grind 5
W-282	1.57	30.0	3.1	Pre-mix on Cowles for 5 min.	% Lead Less than 16	
CH-475	0.83	6.7	0.7		Wt./Gal. 9.75	Method
W-290	6.96	240.0	24.5		Flash Pt. °F. 100°F	Method
W-333	0.31	4.3	0.4		H.V. Wt. 70.4	Method
VM-523	0.14	1.1	0.1		N.V. Vol. 57.3	Method
V-869	70.40	546.0	55.8	Use 20 gal. in mill paste. More may be added if needed. DO NOT THIN EXCESSIVELY. Use all in mill paste.	Visc. F.B. 85-90 KU	Method
					Visc. Red.	Method
					Reducer	Ratio
O-265	12.00	92.5	9.4		pH 14.9	
S-43	6.00	39.0	4.0	Standard Formula Not to be taken from File	Gloss	Method
VM-534	0.25	2.0	0.2		Strainer	
VM-432	0.50	4.8	0.5		Container	
VM-524	0.20	2.3	0.2		Label Warning 11-62	
CH-359	0.20	1.5	0.2		Application	
VM-059	1.00	8.1	0.8		Cure	
W-486	0.16	1.1	0.1	as 1/2-1 Oz/gallon may be used to stop sag.	Remarks	
W-957					Formulator J. R. Southwick	
Yield	100.6	979.0	100.00%		Approved by S. Rowell	

GLD060753

CLASS		2/11/66	ANALYSIS	Y-1892-E
CODES			Pigment	27.7 %
DESCRIPTORS (20 spaces - limit)			Vehicle	72.3 %
Trade Name	WATERMAN	Customer		100.0%
Substrate and Treatment		Pigment		
End Use	Wood	Titanium Dioxides		89.0
Specifications		Silica & Silicates		11.0
Royalty	Yes ☐ No ☒	Silicone	Yes ☐ No ☒	100.0
Resins	Soya Alkyd			
Color	White	Gloss	90	
For Use On				
Resistance		Vehicle		
Manufactured at Plants	#14 Only - 2-10-66	Soya Alkyd Resin		59.0
	#30 2-17-66	Mineral Spirits & Driers		40.0
				100.0
Contains added fungicide to make this paint resistant to the action of Mildew Fungi growing in or on the paint film.				
Resistant to Mildew on the Paint Film Only				
Inert Ingredients				
D1 (Phenyl Mercury)				
Dodecanyl Succinate				
Inert Ingredients				
0.18%				
99.82%				
100.00%				
Y-1892				
662				

Glidden Form 1109-1 (Back) Printed in U.S.A. 9/65

GLD060754

C&R FORMULA

Glidden Form 1109-1 Printed in U.S.A. 9/65

BASE

Product: Endurance House Paint "Enamelized" White				Formula Number Y-1892-B (Cowles)	
Customer: San Francisco Only				Laboratory Number	
CODE NUMBER	100 GALLON BATCH		% BY WEIGHT	MANUFACTURING INSTRUCTIONS	R.M. Cost Date 3/16/61
	GALLONS	POUNDS			Mill Cowles Grind 5
O-265	12.00	92.5	9.4	Use all in Mill Paste.	% Lead Less than 1%
V-869	20.00	155.0	15.8	May be varied to give proper mill paste consistency.	Wt./Gal. 9.7 Method
CH-475	0.63	6.7	0.7	Mix on Cowles 5 (sister mill).	Flash Pt. °F. 100°F Method
W-282	1.57	30.0	3.1	Min. before adding other pigments.	Wt. 70.4 Method
W-290	6.96	240.0	24.5		H.V. Vol. 57.3 Method
W-333	0.31	4.3	0.4		Visc. F.B. 85-90 Method 4-0-1-a
VM-523	0.14	1.1	0.1		Visc. Red. Method
					Reducer Ratio
					P.V.C. 14.9 pH
					Color White Match
V-869	50.40	391.0	40.0		
S-43	6.00	39.0	4.0	Standard Formula	Glass Method
VM-534	0.25	2.0	0.2	Not to be taken from File	Strainer
VM-532	0.50	4.3	0.5		Container
VM-524	0.29	2.3	0.2		Label Warning 11-62 NFVLA
CH-359	0.20	1.5	0.2		Application
VM-659	1.00	8.1	0.8		Cure
M-486	0.16	1.1	0.1		Remarks
VM-957	70			1/2-1 Oz/gal. may be used to control sagging.	Formulator Green/Southwick
Yield	100.61	979.0	100.00%		Approved by S. T. Howell

GLD060755

CLASS						3/16/66	ANALYSIS	Y-1892-B
CODES							Pigment	27.7
DESCRIPTORS (20 spaces - limit)							Vehicle	72.3
Trade Name	EULSTRAMON			Customer				100.0%
Substrate and Treatment						Pigment		
End Use	Wood					Titanium Dioxides		89.0%
Specifications						Silica & Silicates		11.0
Royalty	Yes ☐	No ☒	Silicone	Yes ☐	No ☒			100.0%
Resins	Soya Alkyd							
Color	White		Gloss	90				
For Use On								
Resistance						Vehicle		
Manufactured at Plant	#14 Only		3-18-66			Soya Alkyd Resin		59.8%
	J.P. 3.0		4			Mineral Spirits & Driers		40.2
								100.0%
Contains added fungicide to make this paint resistant to the action of Mildew Fungi growing in or on the paint.								
Resistant to Mildew on the Paint Film Only						Label Warning No.	11-62	NPVLA
D1 (Phenyl Mercury)						No change in analysis.		
Dodecanyl Succinate						0.18%		
Inert Ingredients						99.82	Y-1892	662
						100.00%		

Glidden Form 1109-1 (back) Printed in U.S.A. 9/65

GLD060756

Product **Endurance House Paint "Enamelized" White**
 Customer **(San Francisco Only)**

Formula Number **7-1892-R (Cowles)**Laboratory Number **2482**R.M. Cost **3/1/67**Mill **Cowles** Grind **5**NPVLA **1**Flash Pt. **11-62** METHODN.V.W. **9.7%**Flash Pt. **100°**N.V.W. **70.4%**N.V. Vol. **57.3%**Visc. F. **85-90 KB 4-C-1a**

Visc. Red.

Reducor

P.V.C. **14.9%** pHColor **White** Match

Glass

Strainer

Container

Application **Brush**Cure **Air Dry: Overnight**Recoat: **48 hours.**

Remarks

Remarks

Remarks

Remarks

Remarks

Remarks

Formulator **Green/Southwick**Approved by **Bowell**

CODE NUMBER	100 GALLON BATCH		% BY WEIGHT	MANUFACTURING INSTRUCTIONS	
	GALLONS	POUNDS			
O-206	12.00	92.5	9.4	Use all in Mill Paste (May be varied to give proper mill paste (Mix on Cowles) con- 5 min. before sifting adding other heavy pigments.	
V-2390	20.00	155.0	15.8		
C-978	0.83	6.7	0.7		
E-846	1.57	30.0	3.1		
M-830	6.96	240.0	24.5		
E-396	0.31	4.3	0.4		
E-380	0.14	1.1	0.1		
V-2390	50.40	391.0	40.0		
E-330	6.00	39.0	4.0		
E-324	0.25	2.0	0.2		
E-342	0.50	4.8	0.5		
E-304	0.29	2.3	0.2		
E-262	0.20	1.5	0.2		
E-419	1.00	8.1	0.8		
E-168	0.16	1.1	0.1		
E-173**				1/2-1 oz/gal. may be used to control sagging.	
Yield	100.61	979.0	100%		

Stain
Not to be taken
from File.

GLD060757

Glidden Form 1105-1 (back) Printed in U.S.A. 4/66

C & R FORMULA

Date 3/1/67

Formula No. Y-1892-B

CLASS
CODES

Product Endurance House Paint -
"Enamelled" White

DESCRIPTORS (20 spaces-limit)

Label Warning #11-62

Trade Name Customer

ANALYSIS

Substrate and Treatment

Pigment 27.7 %

End Use Wood

Vehicle 72.3 %

Specifications

100.0%

Repatly Yes ☐ No ☒ Silicone Yes ☐ No ☒

Pigment

Resins Soya Alkyd

Titanium Dioxides 89.0%

Silica & Silicates 11.0

100.0%

Color White Gloss 90

For Use On

Resistance

Manufactured at Plant #14 Only # 30 1-4-67

Contains added fungicide to make this paint

Vehicle

resistant to the action of Mildew Fungi

Soya Alkyd Resin 59.8%

resistant to mildew growing in or on the paint.

Mineral Spirits &

Driers 40.2%

Resistant to Mildew on the Paint Film Only.

100.0%

D1 (Phenyl-Mercury)

NO CHANGE IN ANALYSIS

Dodecenyl Succinate

0.18%

Inert Ingredients

99.82

100.00%

Y-1892

662

GLD060758

CL 1000 100-1 PRINTED IN U.S.A. FROM 1

FORMULA RECORD

FORMULA NO. Y-1892

GOODS: Endurance House Paint-#1892 Non-Chalking

LABORATORY NO. 1-W-122-B

CONSISTENCY: White

POST CLASS. DATE 5/9/57

FOR USE ON

STRAINER GRIND 4

CUSTOMER: This is 1-W-122-B also Y-1882-A & Y-5022-B

MILL: Pebble WT. OR BE 14#

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F.B.	TEMP.
W-170		3			200		67-92 KU	
W-33		2	4		150		VISC. RED.	TEMP.
W-63		8			525		VISCOSIMETER	Stormer
SH-185			1				COLOR	SHEEN
W-195			3/8		1-1/2		NON VOL.	FLASH PT.
							SMATCH FOR	
O-132	4-1/2			37			REDUCER	S-43
O-62	3/8			3			ANT. FOR BRUSHING	As needed
O-286	1-1/4			10-1/4			SPRAYING	TUNELING
S-43	1-1/8			9-1/4			DIPPING	DRIP TIME
S-148	3/4			6			BAKE	TEMP.
							AIR DRIES IN	
VM-432			2-1/2	1-1/4			A. D. TO RECOAT IN	
VM-433			1/4		17 LOZ.		CATALYST	
							ANT. OF CATALYST	
M-355			1/4 LOZ.				POT LIFE	TEMP.
							STABILITY AT 200° F	
							STABILITY AT 185° F	
							STABILITY AT ° F	
							REMARKS	
							FORMULATOR	J.E. Southwick
YIELD	1.52			100				28-8-8

*DESTROY COPY DATED 5/1/57.

Standard Formula
Not to be taken
from file

GLD060759

[illegible]

SCOTT: Endurance House Paint - 1892 Non-Chalking White LABORATORY NO.

CONSISTENCY

COST CLASS:

DATE 10/20/57

REMARKS: Also 1-W-122-C, Y-1882-B & Y-5022-C

STRAINER

GRIND 3-4

CUSTOMER

MILL Pebble

WT. OR BE 14.1#

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F.B.	87-92 KU TEMP.
W-170 W-208		3			200		VISC. RED.	TEMP.
W-33		2	4		150		VISCOSIMETER	Stormer
W-63		8	10		565		COLOR	SHEEN
CH-185			1-1/4		5		NOV VOL.	FLASH PT.
W-195			3/4		3		MATCH FOR	
3-72 (in grind)		3/8 Loz.	.20				REDUCER	S-43
O-132	4-1/2			37			AMT. FOR BRUSHING	As needed
O-62	3/8			3			SPRAYING	TUMBLING
O-286	1-1/4			10.2			DIPPING	DRIP TIME
S-43	1-1/2			12.2			FACE	TEMP.
S-148	3/8			3				
WM-432		2-1/2 Loz.	1.2				AIR DRIES IN	O.N.
WM-433		1/4				17 Loz.	A. D. TO RECOAT IN	48 hrs.
M-455		1/4 Loz.				17 Loz.	REMARKS:	Changed to eliminate sagging.
Minimum viscosity before M-455 is added must be 82 KU.							DO NOT OVERGRIND	
							**DESTROY COPY DATED 10/9/57	
YIELD 1.58 100							FORMULATOR J.E. Southwick	
							28-9	

GLADEN 488-N PRINTED IN U.S.A. FRONT

FORMULA RECORD TRIM

FORMULA NO. Y-1892-A

GOODS Endurance House Paint - #1892 Non-Chalking White LABORATORY NO.

CONSISTENCY

COST CLASS.

DATE 10/9/57

REMARKS Also 1-W-122-C, Y-1882-B & T-5022-C

STRAINER

GRIND 3-4

CUSTOMER

MILL Pebble

WT. OR BE 14.1#

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	
W-170		3			200		VISC. F.S. 87-92 KU TEMP.
W-33		2	4		150		VISC. RED. STORMER
W-63		8	10		565		VISCOSIMETER
CH-185			1-1/4		5		COLOR SHEEN
W-195			3/4		3		NON VOL. FLASH PT.
S-62 (in grind)			3/8 Loz.	.20			MATCH FOR
O-132	4-1/2			37			REDUCER S-43
O-62	3/8			3			WNT. FOR BRUSHING AB needed
O-286	1-1/4			10.2			SPRAYING TUMBLING
S-43	1-1/2			12.2			DIPPING DRIP TIME
S-148	3/8			3			BAKE TEMP
VM-432			2-1/2 Loz	1.2			AIR DRIES IN O.N.
VM-433			1/4		17 Loz		A.D. TO RECOAT IN 48 hrs.
M-455			1/4 Loz.		17 Loz		REMARKS: Changed to eliminate sagging.
Minimum viscosity before M-455 is added must be 82 KU.							DO NOT OVERKIND
YIELD	1.53			100			FORMULATOR J.B. Southwick 28-9

GLD060763

[illegible]

GLD060764

2-1000K 480-11 PRINTED IN U.S.A. FROM

FORMULA RECORD **TRIM**

FORMULA NO. **Y-1892-A**

GOODS: **Endurance House Paint - #1892 Non-Chalking White**

LABORATORY NO.

CONSISTENCY

COST CLASS

DATE **11/5/57**

REMARKS: **Also 1-W-122-C, Y-1882-B & Y-5022-C**

STRAINER

GRIND **3-4**

CUSTOMER

MILL **Pebble**

WT. ON BE **14.14**

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F. 87-92 KU	TEMP.
W-208		3			200		VISC. RED.	TEMP.
2-33		2	4		150		VISCOUS METER	STORMET
W-63		8	10		565		COLOR	SHEEN
2-185			1-1/4		5		NOY VOL.	FLASH PT.
2-195			3/4		3		MATCH FOR	
2-72 (in grind)			3/8 Loz.	.20			REDUCER	S-43
2-132	4-1/2			37			AMT. FOR BRUSHING	88 needed
2-62	3/8			3			SPRAYING	TRAILING
2-286	1-1/4			10.2			DIPPING	DRIP TIME
2-43	1-1/2			12.2			BAKE	TEMP.
2-148	3/8			3			AIR DRIES IN	O.N.
W-432			2-1/2 Loz.	1.2			A. D. TO RECOAT IN	48 hrs.
W-433			1/4			17 Loz.	REMARKS:	
W-455			1/4 Loz.			17 Loz.	Formula 10/20/57	
Minimum viscosity before W-455 is							reissued to use	
added must be 82 KU.							Glidden W-208	
							DO NOT OVERGRIND	
YIELD	1.53			100		4 per TM 5	FORMULATOR J. B. SWANWICK	28-9

Standard Formula
Not to be taken
from file

GLD080765

[illegible]

GLD060766

GLD 482-M PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1892-A

GOLDS ~~Endurance House Paint-#1892 Non-Chalking Trim~~

LABORATORY NO.

CONSISTENCY

White

COST CLASS

DATE 10/30/58

FOR USE ~~Also 1-W-122-C, Y-1882-B & Y-5022-C~~

STRAINER

GRIND 3-4

CUSTOMER

MILL Pebble

WT. OR GE 14.14

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F.B.	87-92 KU ₅₀
W-208		3			200		VISC. RED.	TEMP.
W-33		2	4		150		VISCOSIMETER	Stormer
W-63		8	10		565		COLOR	SHEEN
CH-185			1-1/4		5		NON VOL.	FLASH PT.
W-195			3/4		3		MATCH FOR	
S-72 (in grind)			3/8 Loz)	.20				
O-132	4-1/2			37			REDUCER	S-43
O-62	3/8			3			AMP. FOR BRUSHING	As needed
O-286	1-1/4			10.2			SPRAYER	TIMELING
S-43	1-1/2			12.2			DIPPING	DRIP TIME
S-148	3/8			3.0			SAP	TEMP.
VM-432			2-1/2 Loz)	1.2			AIR DRIES IN	O.N.
VM-433			1/4 Loz)		17 Loz		A. D. TO RECOAT IN	48 hrs.
M-455			1/4 Loz.		17 Loz		REMARKS	
Minimum viscosity before M-455 is added must be 82 KU							**Formula released to show change in analysis.	
							"DO NOT OVERGRIND"	
YIELD 1.53							VISUALATOR J. Southwick	
							28-9	

GLD060767

U.S. GOVERNMENT PRINTING OFFICE: 1959 O - 348,000

FORMULA RECORD

FORMULA NO.

V-1892-B

GOODS **Endurance House Paint #1892**

CONSISTENCY **Non-Chalking White**

FOR USE ON

CUSTOMER

No. 1 Label Warning

LABORATORY NO.

TEST CLASS

DATE **2/27/61**

STRAINER

GRIND **3-11**

MILL Pebble

WT. OR # **214, 04**

IS AGITATOR REQUIRED

VISC. P.B. **87-92 1038P**

VISC. RED.

TEMP.

VISCOSIMETER **Stanton**

COLOR

SEEN

WHI VOL.

FLASH PT.

PAINT FOR

REDUCER **S-43**

AMT. FOR BRUSHING **As needed**

SPRAYING

TUMBLING

DIPPING

DRIP TIME

BAKE

TEMP.

AGE DRIES IN **0.5**

AL. D. TO RECOAT IN **48 hrs**

REMARKS **Change to eliminate**

dough balls & 0-62

85% Mill Base

86.3% N.V. by Volume

Wt/per gal. mill base #15.2

FORMULATOR **J.E. Southwick**

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH	
	PINTS	LBS.	OZS.	GALS.	LBS.
9-208				5.68	196
W-33				3.10	144
W-63				24.80	560
CH-185				.45	4
W-218				.17	2.5
S-72				.15	(1.0)
0-132 (25 gal. in grind)				36.5	284.0
0-285 (13.5 gal. in grind)				13.6	110.0
8-43 (10.8 gal. in grind)				10.8	70.5
8-148				2.9	19.2
VM-432				1.2	(11.4)
D-68				.5	(3.5)
M-455 (Hold for viscosity					
check.)				.12 Gal	
Minimum viscosity 24 KU before adding M-455.					
YIELD				100.05	1406.1

Standard Formula
Not to be taken

GLD060769

COST	DATE	ANALYSIS	CUSTOMERS
		PRESENT 64.0 %	Endurance House Paint 21892
		VEHICLE 35.0 %	Non Chalking White
		100.0%	2/27/61
		Titanium Dioxide 21.75	
		Zinc Oxide 18.0	
		Calcium Carbonate 62.3	Spec. 1 Label Warning
		100.0%	
			One 1/2 Pail of Lost 3-1
			Plants 2/1-2-4-5-12-14-8
			11 + 17
		VEHICLE	
		Treated Linseed Oil	79.0% Endurance 3-8-61
		Mineral Spirits & Driers	21.0 Marco 3-8-61
			100.0% West India 3-8-61
			1-1892 162

GLD060770

COIST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT 64.0 %	Y-1892-B
		VEHICLE 36.0 %	Endurance House Paint #1892
		100.0%	Non Chalking White
			2/27/61
		PIGMENT	
		Titanium Dioxide 21.7%	
		Zinc Oxide 16.0	
		Calcium Carbonate 62.3	No. 1 Label Warning
		100.0%	
			On Y-Enamel List 3-3-61
			Plants #1-2-4-5-12-14-8-
			11 + 17
		VEHICLE	
		Treated Linseed Oil	79.0% Guatemala 3-8-61
		Mineral Spirits & Driers	21.0 Mexico 3-8-61
			100.0% West Indies 3-8-61
			Y-Enamel List 4-2-61
			Plants #1-2-4-5-12-14-8-
			11 + 17
		Y-1892	162

GLD060771

GLDOLBY 440-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

BASE

FORMULA NO. V-1892-C (Cowles)

GOODS: Endurance House Paint #1892 Non-Chalking
 CONSISTENCY: White
 FOR USE ON: Less than 15 Lead
 CUSTOMER: Morehouse

LABORATORY NO. 87-92

COST CLASS. DATE 8/10/61

STRAINER GRIND 3-4

Wt. or 14.0%

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F.B.	TEMP.
Add in order listed:								
Q-260				23.6	(110.0)		WISCONSIN	STORM
Q-132				13.6	(106.0)		REDUCER	SEEN
Q-185				(.45)	4.0		NON VOL. 92.8%	FLASH PT. 100°F
Q-218				(.17)	2.5		DATED FOR	
Q-230				(5.68)	196.0		REDUCER	S-43
Disperse 10 min. then add:								
Q-132				12.9	(100.0)		AMT. FOR BRUSHING AS needed	
Q-133				(3.1)	144.0		SAFETY	DISCONTINUED
Q-63				(24.8)	560.0		DIPPING	DISCONTINUED
Mix to 3-4 grind & add:								
Q-132				10.0	(78)		TEMP.	OFF 7-892-A
Morehouse to clean 3-4 grind:								
Q-133				10.8	(70.5)		AIR DRIES IN Overnight	
Q-148				2.9	(19.2)		AS O. TO RECOAT IN 48 hrs.	
Q-132				1.2	(11.4)		REMARKS: Changed to add	
Q-133				.14	(.9)		mildewicide & to show	
Q-133				.5	(4.0)		Cowles procedure.	
Q-133				.15	(1.0)		80.3% NV by Vol.	
Q-133				.12	(.8)		39.6% PVC	
(Hold for viscosity check)								
YIELD				100.1	1407.5		FORMULATOR J.E. Southwick	

GLD060772

Non-Responsive Document Inadvertently Processed

GLD060774

**Non-Responsive Document
Inadvertently Processed**

GLD060775

GLD060776

GLD 280-H PRINTED IN U.S.A. FROM

FORMULA RECORD

FORMULA NO. Y-1892-0

GOODS Endurance House Paint #1892 Non-Chalking

LABORATORY NO.

CONSISTENCY White

COST CLASS.

DATE 8/21/51

FOR USE ON

STRAINER

GRIND 3-4

CUSTOMER Tonn than 100 Tonn

MILL Pebble

WT. OR BE 14#

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	
W-208				5.68	196.0		VISC. F. 83-02 KU TEMP.
W-73				3.10	144.0		VISC. RED. TEMP.
W-63				24.80	560.0		VISCOSIMETER 500-100
CH-185				0.45	4.0		COLOR
W-218 Pre-Mix				0.37	2.5		SEEN
S-72				.15	(1.0)		501-100
							WASH PT 100 F
							WATCH FOR
							REDUCER S-43
0-132 (25.0 gals. in grind)				35.5	(284.0)		MT. FOR BRUSHING As needed
0-286 (13.6 gals. in grind)				13.6	(110.0)		SPRAYING
S-43 (10.8 gals. in grind)				10.8	(70.5)		DISCONTINUED
S-140				2.9	(19.2)		DRIP TIME
							SEE X-1892-0
VM-432				1.2	(11.4)		BASE
D-68				0.50	(3.5)		TEMP.
VM-659				0.50	(4.0)		DRIES IN 0.5 hr.
							A. D. TO RECOAT IN 48 hrs.
							REMARKS: Changed to add
							Water resistance.
W-455 (Hold for viscosity)				.12			85% Mill Base
(check)							15.28 wt/gal. Mill Base
							85.3% NV by Vol.
Minimum viscosity 84 KU before adding W-455							39.6% PVC
							FORMULATOR J.E. Southwick
YIELD				100.55	1410.1		

GLD060777

COST	DATE	ANALYSIS		CUSTOMERS Y-1892-C
		PIGMENT	63.5 %	Endurance House Paint - #1892
		VEHICLE	36.5 %	Non Chalking White
			100.0%	
				4/21/61
		PIGMENT		
		Titanium Dioxide	22.5%	No change in analysis
		Zinc Oxide	17.0	NPLA 11-16-60
		Calcium Carbonate	60.4	
			100.0%	
				Contains added fungicide to make this paint resistant to the action of Mildew Fungi growing in or on the paint.
		VEHICLE		
		Treated Linseed Oil	78.8%	Resistant to Mildew On The Paint Film Only.
		Mineral Spirits & Driers	21.2	
			100.0%	
				Di (Phenyl-Mercury)- Dodecenyl Succinate .07%
				Inert Ingredients 99.93
				100.00%
Sak. Japan	3-16-62	Current Copy sent to R. Smith & Co. 1-10-61.0		Mexico - Mexico City, Sinaloa, Jalisco Yucatan, Quintana Roo Plant #1-2-4-5-12-14-8-11-17-7+15
X-1892		6501		

Non-Responsive Document Inadvertently Processed

GLD060779

Non-Responsive Document Inadvertently Processed

GLD060780

GLIDEN 480-N PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1892-E

GOODS **Endurance House Paint - #1892 Non-Chalking** LABORATORY NO. 858
 CONSISTENCY **White** COST CLASS **DATE 12/5/62**
 FOR USE ON **Reissued to use Tallates & replace S-72.** STRAINER **GRIND 3-4**
 CUSTOMER **H.P. at plants #1-2-4-5-8-11-12-14-15-17** MILL **Pebble** WT. OR BE **144**

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	
W-208				(5.63)	195.0		VISC. F. R. 87-92 XTEMP.
W-33				(3.10)	144.0		VISC. RED. TEMP.
W-63				(24.80)	560.0		VISCOSIMETER Sto-23P
CH-185				(0.45)	4.0		COLOR 501-555 GREEN
W-218	Premix			(0.17)	2.5		NON VOL. 32.8% FLASH PT. 100°F
S-91				.19	(1.25)		MATCH FOR
U-132	(25.0 gals. in grind)			36.5	(204.0)		REDUCER S-43
U-286	(13.6 gals. in grind)			13.6	(110.0)		AMT. FOR BRUSHING As needed
S-43	(10.8 gals. in grind)			11.13	(72.30)		DISCONTINUED TUMBLING
S-148				2.9	(19.2)		DIPPING DRIP TIME
	Standard Formula						BAKE TEMP.
VH-432	Not to be taken			1.2	(11.4)		SEE Y-1892-E
VH-534				0.13	(1.04)		AIR DRIES IN. Overnight
VH-659	from file.			0.50	(4.0)		A. D. TO RECOAT IN 48 hrs.
							REMARKS:
N-455	(hold for viscosity)			0.12			Mill Base 85%
	check.						Mill Base wt/gal. 15.27
							NV by Vol. 84.3%
							PVC 39.6%
							Minimum viscosity 84 KU before adding N-455.
							FORMULATOR J. E. SCOTCHWICK
YIELD				100.55	1406.		

GLD060781

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT 63.5 %	Y-1892-D
		VEHICLE 36.5 %	Endurance House Paint - #1892
		100.0%	Non-Chalking White
			12/5/62
		PIGMENT	
		Titanium Dioxide 22.6%	Warning No. 11-62 NFVLA
		Zinc Oxide 17.0	(11/16/62)
		Calcium Carbonate 60.4	
		100.0%	Contains added fungicide to make
			this paint resistant to the
			action of Mildew Fungi growing
			in or on the paint.
			Resistant to Mildew On The
		VEHICLE	Paint Film Only.
		Treated Linseed Oil 78.8%	
		Mineral Spirits & Driers 21.2	Di(Phenyl-Mercury)-
		100.0%	Dodecenyl Succinate .07%
			Inert Ingredients 99.93%
			100.00%
		West Indies 1-7-65	Y-Cosanol Lat 2-8-63 0
			# 1-2-4-5-8-11-13-14-15-16-17
			Sat. Japan 1-31-64
			Mine 2-21-64 } FMC
			West Indies 3-3-64 }
			Huasteca 3-9-64 }
			Manila 4-3-64 }
		Y-1892 6501	

GLD060782

GLIDDEN 485-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1892-D (Bos. 100)

GOODS	Endurance House Paint - #1892 Non-Chalking						LABORATORY NO.	Nonehouse
CONSISTENCY	White						COST CLASS	BASE
FOR USE ON	xx Hg. 27 plants #1-2-4-5-8-11-12-14-15-16-17						DATE	7/2/5/62
CUSTOMER	xx S. J. ... to use Tallates & replace S-72.						MILL (Corken)	WT. OR BE 14 0/2
CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F. B.	TEMP.
	Add in order listed:						VISC. RED.	TEMP.
A-285				13.6	(110.0)		VISCOSIMETER	Stormer
A-132				13.6	(106.0)		COLOR	SHEEN
CH-185				(.45)	4.0		NON VOL.	92.8% FLASH PT. 100°F
W-218				(.17)	2.5		MATCH FOR	
W-208				(5.68)	106.0			
	Measure 10 min. then add:						REDUCER	S-43
A-132				12.9	(100.0)		AMT. FOR BRUSHING	As needed
W-33				(3.1)	144.0		SPRAYING	TURBLING
W-63				(24.8)	560.0		DIPPING	DRIP TIME
	Mix to 3-4 grind & add:						BAKE	TEMP.
A-132				10.0	(78.0)			
	Morehouse to clean 3-4 grind:						AIR DRIES IN	Overnight
S-43				10.8	(70.5)		A. O. TO RECOAT IN	48 hrs.
S-148	Standard Formula			2.9	(19.2)		REMARKS:	
VM-432	Not to be taken			1.2	(11.4)		NY by Vol.	85.2%
VM-534	from file.			.14	(.9)		PVC.	39.6%
VM-659				.5	(4.0)			
S-91				.15	(1.0)			
W-055 (Hold for viscosity check)				.12			FORMULATOR	J. E. Southwick
YIELD				100.1	1407.5			

GLD060783

COST	DATE	ANALYSIS		CUSTOMERS	Y-1892-D
		PIGMENT	63.5 %	Endurance House Paint - #1892	
		VEHICLE	36.5 %	Non-Chalking White	
			100.0%		
				12/5/62	
		PIGMENT		Warning No. 11-62 NPVIA	
		Titanium Dioxide	22.6%	(11/16/62)	
		Zinc Oxide	17.0		
		Calcium Carbonate	60.4		
			100.0%	Contains added fungicide to make	
				this paint resistant to the	
				action of Mildew Fungi growing	
				in or on the paint.	
				Resistant to Mildew On The	
		VEHICLE		Paint Film Only.	
		Treated Linseed Oil	78.8%		
		Mineral Spirits & Driers	21.2	Di(Phenyl-Mercury)-	
			100.0%	Dodecenyl Succinate .07%	
				Inert Ingredients 99.93	
				100.00%	
				Y Enamel Lat 10-27-68	
				1-2-4-5-8-11-12-14-15-16-17	
		Y-1892	6501		

GLD060784

GLD060785 PRINTED IN U.S.A. FRONT

FORMULA RECORD SEE SAN FRANCISCO SPECIAL V-177

FORMULA NO. V-1892-E-1						
GOODS Endurance House Paint - #1892 Non-Chalking						
CONSISTENCY White						
FOR USE ON Mfg. plants #1-2-5-11-12-17						
CUSTOMER More than 18 Lead						
DATE 1/5/65						
STRAINER 3-4						
MILL Pebble or WT. OF BEI 14.2#						
IS AGITATORY Morehouse or						
VISC. F. 87-92 KU TEMP. Attritor						
VISC. RED. Storner						
COLOR 01088 SHEEN 01088						
NON VOL. 88.2% (Wt) ASH PT. 100°F						
MATCH FOR						
REDUCER S-43						
M.T. FOR BRUSHING F.S.						
SPRAYING TUMBLING						
DIPPING DRIP TIME						
BAKE TEMP.						
AIR DRIES IN 0.N.						
A. D. TO RECOAT IN 48 hrs.						
REMARKS Changed to improve brushing and to decrease flashing						
BY Vol. 74.9%						
PVC 43.7%						
FORMULATOR J. E. Southwick						
YIELD 100.05 1427.9						

Standard Formula
Not to be taken
from File

DISCONTINUED

GLD060785

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT 65 %	Y-1892-E-1
		VEHICLE 35 %	Endurance House Paint -
		100%	#1892 Non-Chalking White
			1/5/65
		PIGMENT	
		Titanium Oxide 40.7%	Warning No. 14-62 NPVLA
		12% Lead Zinc Oxide 20.0	
		Titanium Dioxide 8.6	Contains added fungicide to make
		Calcium Carbonate 18.0	this paint resistant to the action
		Magnesium Silicate 11.8	of Mildew Fungi growing in or on
		100.0%	the paint.
			Resistant to Mildew on the Paint
			Film Only.
		VEHICLE	
		Treated Soya Oil 7.1%	D1(Phenyl Mercury)
		Treated Linseed Oil 59.0	Dodecenyl Succinate .05%
		Mineral Spirits & Driers 33.9	Inert Ingredients 99.94
		100.0%	100.00%
		W. Indies 3-22-65 P	Y. Paint Test 1-13-65 D
		Mexico 3-23-65 D	W. 2-5-11-12-17-30
		Subsidiary 4-21-65 D	Plants #1-2-5-11-12-17
		Manila 6-18-65 D	
		Sat. Japan 6-18-65 D	W. K. Germany 7-1-65
		Y-1892 561	

GLD060786

GLIDDEN 4064 PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1892-E-2

GOODS **Endurance House Paint - #1892 Non-Chalking**LABORATORY NO. **1892**

CONSISTENCY

White

COST CLASS

DATE **1/5/65**

FOR USE ON

Plants #4-16-8

STRAINER

GRIND

3-4

CUSTOMER

Less than 1/2 LeadMILL **Pebble or** WT. OR BE **14.2**

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR	TEMP. Morehouse, or	VISC. F. B. 87-92 KU Attritor
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.			
W-180	Standard Formula, Not to be taken from file.			(13.90)	377.0			VISC. RED.	TEMP.
W-208				(2.33)	80.0			VISCOSIMETER	Stormer
W-294				(3.97)	186.0			COLOR	SHEEN Gloss
W-188				(4.02)	95.0			NON VOL	88.2% (Wt) FLASH PT. 100°F
W-121				(7.76)	175.0			MATCH FOR	
W-282				(0.76)	15.0			REDUCER	S-43
CH-475				0.42	(3.4)			AMT. FOR BRUSHING	F.B.
VH-432				1.20	(11.6)			SPRAYING	TUMBLING
O-314				6.71	(50.5)			DIPPING	DRY TIME
O-9				4.76	(37.4)			BAKE	TEMP.
O-220			8.04	(63.6)			AIR DRIES IN	O.N.	
O-1			25.01	(194.5)			R. D. TO RECOAT IN	48 Hrs.	
S-43			16.55	(107.5)			REMARKS	Changed to improve brushing & to decrease flashing.	
S-148			3.84	(25.3)			NV by Vol.	- 74.9%	
VH-534			0.15	(1.2)			PVC	- 43.7	
VH-559			0.13	(1.0)			FORMULATOR	J. E. Southwick	
			0.50	(4.0)					
(.05 - 15 gal. of N-486 may be used to adjust) (body if needed.)				100.05	1427.9				
YIELD									

DISCONTINUED

Standard formula, Not to be taken from file.

GLD060787

COST	DATE	ANALYSIS		CUSTOMERS	
		PIGMENT	65 %	Endurance House Paint -	
		VEHICLE	35 %	#1892 Non-Chalking White	
			100 %	1/5/65	
		PIGMENT			
		Titanium Calcium	40.7%		
		Titanium Dioxide	8.6	Warning No. 11-62 NEVLA	
		Zinc Oxide	20.0		
		Calcium Carbonate	18.9	Contains added fungicides to make this paint resistant to the action of Mildew Fungi growing in or on the paint.	
		Magnesium Silicate	11.8		
			100.0%		
		VEHICLE		Resistant to Mildew on the Paint Film Only.	
		Treated Soybean Oil	7.1%		
		Treated Linseed Oil	59.0	Di(Phenyl-Mercury)	
		Mineral Spirits & Driers	33.9	Dodecenylo Succinate .06%	
			100.0%	Inert Ingredients 99.94	
				100.00%	
				Plants #4-15-8	
				Y-Paint List 1-13-65-6	
				#4-8-16-30	
		Y-1892	561		

GLD060788

BLIDDEN 200-B PRINTED IN U.S.A. FRONT

FORMULA RECORD

8 506 505512L
CAN PRAN FORM Y-1892-F-1

GOODS **Endurance House Paint - #1892 Non-Chalking**

LABORATORY NO.

CONSISTENCY

White

COST CLASS

DATE 6/23/65

FOR USE ON

Mfg. plants #1-2-5-11-12-17

STRAINER

GRIND 4

CUSTOMER

More than 1% Lead

MILL **Pebble or**

WT. OR BE 14#

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F. S.	TEMP.
W-290				5.80	200.0		87-92	
W-35				4.07	190.0		VISC. RED.	TEMP.
W-121				13.30	300.0		VISCOINETER	STORMER
W-188				8.50	200.0		COLOR	SHEEN LOSS
W-282				0.76	15.0		NON VOL.	88% FLASH PT. 100°F
CH-475				0.42	3.4		WATCH FOR	
VM-432				1.20	11.6		REDUCER	S-43
							AMT. FOR BRUSHING	F.B.
O-314				6.80	51.1		SPRAYING	TUMBLING
O-9				4.80	37.8		DIPPING	DRIP TIME
V-869				6.90	53.5		BAKE	TEMP.
O-1				29.10	225.0		AIR DRIES IN	Overnight
S-43				14.20	92.3		A. D. TO RECOAT IN	48 hrs.
S-148				3.90	25.7		REMARKS	Changed to use
VM-534				0.15	1.2		Blidden pigments.	
VM-523				0.13	1.0		BY Vol.	-74.7%
VM-659				0.5	4.0		P.V.C.	-43.4%
							FORMULATOR	J. E. Southwick
YIELD				100.03	1408.6			

Standard Formula.
Not to be taken
from file.

DISCONTINUED
SEE

GLD060789

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT 64.4 %	Y-1892-F- Endurance House Paint - #1892
		VEHICLE 35.6 %	Non-Chalking White
		100.0%	6/23/65
		PIGMENT	Warning No. 14-62 NPVLA
		Titanium Dioxide 22.1%	
		12% Leaded Zinc Oxide 21.0%	
		Calcium Carbonate 33.2%	Mfg. plants #1-2-5-11-12-17
		Magnesium Silicates 23.7%	
		100.0%	Contains added fungicide to make this paint resistant to the action of Mildew Fungi growing in or on the paint.
		VEHICLE	Resistant to Mildew on The Paint Film Only.
		Soya Alkyd Resin 16.5%	
		Treated Linseed Oil 52.4%	
		Mineral Spirits & Driers 31.1%	D1 (Phenyl-Mercury) Dodecenyl Succinate 0.06%
		100.0%	Inert Ingredients 99.94%
		Manila 11-10-65 0	#30 (Drees & Forte) 6-24-65 100.00%
		#30 (Huntal) 2-24-66	Y Paint 7-19-65 0
			#1-2-5-11-12-17-30
			Lat. Japan 10-8-65 0
		Y-1892-1 565	W. Germany 10-11-65 0
			Medico 11-3-65 0
			Guatemala 11-5-65 0

GLD060790

DUODENAL PRINTED IN U.S.A. PATENT

FORMULA RECORD

FORMULA NO. Y-1892-F-2

CASE

GOODS: Endurance House Paint - #1892 Non-Chalking

LABORATORY NO.

CONSISTENCY

White

COST CLASS

DATE 6/23/65

FOR USE ON

Mfg. plants 4-8-16

STRAINER

GRIND 4

CUSTOMER

Less than 1% Lead

MiRebble or

WT. OR BE 14

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	7-92 KU	TEMP.
W-290				5.80	200.0		VISC. RED.	TEMP.
W-294				4.07	190.0		VISCOSIMETER	Stormer
W-121				13.30	300.0		COLOR	SHEED Gloss
W-188				8.50	200.0		NON VOL.	88% (WT) FLASH PT. 100°F
W-282				0.76	15.0		MATCH FOR	
CH-475				0.42	3.4		REDUCER	S-43
VM-432				1.20	11.6		AMT. FOR BRUSHING	F.B.
O-314				6.80	51.1		SPRAYING	TUMBLING
O-9				4.80	37.8		DIPPING	DRIP TIME
V-869				6.90	53.5		BAKE	TEMP.
O-1				29.10	226.0		AIR DRIES IN	Overnight
S-43				13.70	89.0		A. D. TO RECOAT IN	48 hrs.
S-148				3.90	25.7		REMARKS	Changed to use
VM-534				0.15	1.2		glidden pigments.	
VM-523				0.13	1.0		NV by Vol.	- 74.7%
VM-659				0.50	4.1		PVC	- 43.4%
				100.03	1409.4		FORMULATOR	J. E. Southwick
YIELD								

Standard Formula
Not to be taken
from File.

GLD060791

COAST	DATE	ANALYSIS		CUSTOMERS	
		PIGMENT	64.4 %	Y-1892-E-2	
		VEHICLE	35.6 %	Endurance House Paint - #1892	
			100.0%	Non-Chalking White	
				6/23/65	
		PIGMENT			
		Titanium Dioxide	22.1%	Warning No. 11-62 NPVLA	
		Zinc Oxide	21.0%		
		Calcium Carbonate	33.2%	Contains added fungicide to make	
		Magnesium Silicates	23.7%	this paint resistant to the act.	
			100.0%	of Mildew Fungi growing in or	
				on the paint.	
				Resistant to Mildew on The Paint	
				Film Only.	
		VEHICLE			
		Soya Alkyd Resin	16.5%	DI (Phenyl-Mercury)	
		Treated Linseed Oil	52.4%	Dodecanyl Succinate 0.06%	
		Mineral Spirits &		Inert Ingredients 99.94%	
		Driers	31.1%	100.00%	
			100.0%		
				Mfg. plants #4-8-16	
				#30 (Thermal - F-10) 4-24-65	
				Y Paint List 7-19-65	
				E 4-8-16-30	
				#30 (Thermal) 2-24-66	
		Y-1892-2	566		

GLD060792

Gleason Form 1109-1 Printed in U.S.A. 4/65

C & R FORMULA

Product **Endurance House Paint - #1892 Non-Chalking**

Customer

Formula Number **Y-1892-G-1**

Laboratory Number

RMA Warehouse: **7/20/66**Pebble-Cowles **3-4**NPVLA **Lead More than 1%**Label Warning **14-62** METHODWt./Gal. **14.37** **5-A-1**Flash Pt. °F **100**N.V.Wt. **89.6**N.V.Vol. **77.9**Visc. F. **890-95** **4-C-1**

Visc. Red.

Reducer Ratio

P.V.C. **42.6** pHColor **White** MatchGloss **60 min.** Method

Strainer

Container

Application **Brush**Cure **Overnight**Recoat: **48 hrs.**Remarks **Changed to improve sag control.**Formulator **Green/Southwick**Approved by **S. Bowell**

CODE NUMBER	100 GALLON BATCH		% BY WEIGHT	MANUFACTURING INSTRUCTIONS
	GALLONS	POUNDS		
N-180	12.00	325.0		
N-290	2.91	100.0		
N-35	4.26	200.6		
N-121	13.29	300.0		
N-282	0.76	15.0		
GH-475	0.42	3.4		
VN-432	1.20	11.6		
VN-523	0.15	1.2		
O-314	6.80	51.1		
O-9	4.80	37.8		
V-863	6.90	53.5		
O-1	29.50	229.0		
S-43	12.50	81.2		
S-148	3.90	25.7		
VN-534	0.13	1.0		
VN-559	0.20	1.1		
Yield	100.02	1439.6		

Standard Formula.
Not to be taken
from File.

GLD060793

Date 7/20/66 Formula No. Y-1892-Q-1

CLASS					Product	<u>Endurance House Paint -</u>
CODES						<u>#1892 Non-Chalking</u>
DESCRIPTORS (20 spaces-limit)					Label Warning	<u>#14-62 NPVLA</u>
Trade Name		Customer		ANALYSIS		
Substrate and Treatment				Pigment <u>65.3</u> %		
End Use				Vehicle <u>34.7</u> %		
Specifications				<u>100.0%</u>		
Royalty	Yes ☐	No ☒	Silicone	Yes ☐	No ☒	Pigment
Resins		<u>Soya Alkyd, Treated Linseed Oil</u>		<u>Titanium Calcium</u> 34.6 %		
Color		<u>Gloss</u>		<u>Titanium Dioxide</u> 10.6 %		
For Use On				<u>12% Leaded Zinc Oxide</u> 21.3 %		
Resistance				<u>Calcium Carbonate</u> 33.5 %		
Manufactured or Placed		<u>#1-2-5-11-12-17</u>		<u>8-3-66</u>		
Manufacturing Instructions or Remarks		<u>Stamped: #4-8-14-15-16</u>		<u>8-3-66</u>		
<u>01 (Phenyl Mercury)</u>				<u>Costa Rica</u> 7-2-66 (3)		
<u>Dodeceny Succinate</u> 0.0%				<u>St. Thomas, Puerto Rico</u> 10-12-66 (1)		
<u>Insert Ingredients</u> 99.94%				Vehicle		
<u>100.00%</u>				<u>Soya Alkyd Resin</u> 17.1%		
				<u>Treated Linseed Oil</u> 53.4%		
				<u>Mineral Spirits & Driers</u> 29.5%		
				<u>100.0%</u>		
				<u>66 Green Milled</u>		
				<u>66 Similar, St. Thomas</u> 10-18-66		
				<u>Y-1892-I</u> 667		

Glidden Form 1109-1 Printed in U.S.A. 4/65

C & R FORMULA

Product **Endurance House Paint #1892 Non-Chalking**

Customer

Formula Number **Y-1892-G-2**

Laboratory Number

7/20/66

Pebble-Grind

Cowles-Grind

NPVLA Slead Less than 1%

Lobol Wearing 11-62 METHOD

Wt./Gcl. 14.3# 5-A-1

Flash Pt. 100

N.V.Wt. 89.6

N.V.Vol. 77.9

Visc. F. 90-95 4-0-1

Wear. Red.

Reducer Ratio

P.V.C. 42.5 pH

Color White Match

Gloss 50 min. Method

Strainer

Container

Application Brush

Cure Overnight

Recoat: 48 hrs.

Remarks Changed to improve

sag control.

Formulator Green/Southwick

Approved by S. Bowall

CODE NUMBER	100 GALLON BATCH		% BY WEIGHT	MANUFACTURING INSTRUCTIONS
	GALLONS	POUNDS		
W-180	12.00	325.0		
W-290	2.91	100.0		
W-294	4.26	200.0		
W-121	13.29	300.0		
W-282	0.76	15.0		
CH-475	0.42	3.4		
VM-432	1.20	11.6		
VM-523	0.15	1.2		
O-314	6.80	51.1		
O-9	4.80	37.8		
V-863	6.90	53.5		
O-1	29.50	229.0		
S-43	12.50	81.2		
S-148	3.90	25.7		
VM-534	0.13	1.0		
VM-559	0.50	4.1		
Yield	100.02	1439.6		

Standard Formula
Not to be taken
from File.

GLD060795

CAR FORMULA

Date 7/20/56 Formula No. Y-1892-A-2

Product	Endurance House Paint
---------	-----------------------

#1892 Non-Cash/100

DESCRIPTORS (20 spaces—limit)

Label Wearing #11-62 NEWA

Customer

ANALYSIS

Substrate and Treatment

[illegible]

End Use

Vehicle 2012

Specifications

100

Royalty Yes ☐ No ☒ Silicone Yes ☐ No ☒

Piment

Resins Soya Alkyd, Treated Linseed Oil

Titanium Calcium	24.6%
------------------	-------

Titanium Dioxide	10.6
------------------	------

Zinc Oxide	21.3%
------------	-------

Color

Class

Calcium Carbonate	33.5%
-------------------	-------

For Use On

FOIA

Resistance

Manufactured at Plant #4-8-16 8-3-66 01

[illegible]

Stamped:
2-1-2-4-5-11-12-14-15-17 8-3-6

Soya Alkyd Resin	17.1%
------------------	-------

Manufacturing Instructions or Remarks

Treated Linseed Oil	53.4%
---------------------	-------

Mineral Springs 5

Driers 29.5

8:00:00

**Doct. Henry Mercury
Bodevenyl Succinate**

0.061

Inert Ingredients

99.94
100.00

Y-1892-2

60

GLD060796

Product **Endurance House Paint -#1892 Non-Chalking**

Formula Number **Y-1892-0-1 RAS**

Customer

Laboratory Number

PAUL/CONL Date **3/1/67**

CODE NUMBER	100 GALLON BATCH		% BY WEIGHT	MANUFACTURING INSTRUCTIONS	Grind 3-4	
	GALLONS	POUNDS			NPVLA Lead 1 plus	METHOD
W-134	12.00	325.0	DISCONTINUED SEE Y-1801	REPLACED WITH	14-62	5-A-1
W-830	2.91	100.0			14.34	5-A-1
W-452	4.26	200.0			Flash Pt. 100°	
N-121	13.29	300.0			N.V.M. 89.6%	
E-846	0.76	15.0			N.V.Val. 77.9%	
C-978	0.42	3.4			Visc. F. 90-95	4-C-1
E-342	1.20	11.6			Visc. Red.	
E-380	0.15	1.2			Reducer	Ratio
ES-190	6.80	51.1			P.V.C. 42.6%	pH
OS-109	4.80	37.8			Color White	Match
V-2390	6.90	53.5	Standard Formula Not to be used		Gloss 60 min.	Method
OS-101	29.50	229.0			Strainer	
SS-330	12.50	81.2			Container	
SS-348	3.90	25.7			Application	Brush
ES-324	0.13	1.0			Cure	Air Dry! Overnight
ES-419	0.50	4.1			Recoat: 48 hrs.	
					Remarks	
					Formulator	Green/Southwick
Yield	100.02	1439.6			Approved by	

GLD060797

Glidden Form 1107-1 (back) Printed in U.S.A. 4/66

C & R FORMULA

Date 3/1/67 Formula No. Y-1892-1

CLASS

Product Endurance House Paint -

CODES

#1892 Non-Chalking White

DESCRIPTORS (20 spaces-limit)

Label Warning #14-62 NFPA

Trade Name Customer

ANALYSIS

Substrate and Treatment

Pigment 65.3 %

End Use

Vehicle 34.7 %

Specifications

100.0%

Royalty Yes ☐ No ☒ Silicone Yes ☐ No ☒

Pigment

Resins Soya Alkyd, Treated Linseed Oil

Titanium Calcium 34.6%

Titanium Dioxide 10.6%

12% Leaded Zinc Oxide 21.3%

Calcium Carbonate 33.5%

Color Gloss

100.0%

For Use On

#30 (Gangster) 2-23-68

Resistance #30 1-4-67

Manufactured at Plant #1-2-5-11-12-17 2-16-67

Vehicle

Stamped
#4-8-14-15-16 2-16-67

Soya Alkyd Resin 17.1%

Treated Linseed Oil 53.4%

Mineral Spirits &

Driers 29.5%

100.0%

Manufacturing Instructions or Remarks

D1 (Phenyl-Mercury)

Dodecenyl Succinate 0.06%

Inert Ingredients 99.94%

100.00%

NO CHANGE IN ANALYSIS

Y-1892-1

667

GLD060798

Product **Endurance House Paint - #1892 Non-Chalking**

Customer

Formula Number **Y-1892-0-2**

Laboratory Number

Date **3/1/67**Grind **3-4**HPVLA %Lead **-1**Label Warning **11-62** METHODVis./Gel. **14.34** **5-A-1**Flash Pt. **100**N.V.Wt. **89.6%**N.V.Vol. **77.9%**Visc. **F90-95** **4-C-1**

Visc. Red.

Reducer Ratio

P.V.C. **42.6%** pHColor **White** MatchGloss **50 min.** Method

Strainer

Container

Application **Brush**Cur **Air Dry: Overnight**Recoat: **48 hrs.**

Remarks

Formulator **Green/Southwick**Approved by **Bowell**

CODE NUMBER	100 GALLON BATCH		% BY WEIGHT	MANUFACTURING INSTRUCTIONS
	GALLONS	POUNDS		
W-134	12.00	325.0		
W-830	2.91	100.0		
W-547	4.26	200.0		
W-121	13.29	300.0		
E-846	0.76	15.0		
C-978	0.42	3.4		
E-342	1.20	11.6		
E-380	0.15	1.2		
E-190	6.80	51.1		
O-109	4.80	37.8		
Y-2390	6.90	53.5		
O-101	29.50	229.0		
S-330	12.50	81.2		
S-348	3.90	25.7		
E-324	0.13	1.0		
E-419	0.50	4.1		
Yield	100.02	1439.6		

Standard Formula
Not to be used from File

GLD060799

Clibden Form 1109-1 (Back) Printed in U.S.A. 4/65		C & R FORMULA		Date 3/1/67	Formula No. T-1892-2
CLASS				Product Endurance House Paint -	
CODES				#1892 Non-Chalking White	
DESCRIPTORS (20 spaces—limit)				Label Warning #31-62 NPVLA	
Trade Name		Customer		ANALYSIS	
Substrate and Treatment				Pigment	65.3 %
End Use				Vehicle	34.7 %
Specifications				100.0%	
Royalty	Yes ☐ No ☒	Silicone	Yes ☐ No ☒	Pigment	
Resins Soya Alkyd, Treated Linseed Oil				Titanium Calcium	34.6%
Color		Gloss		Titanium Dioxide	10.6%
For Use On				Zinc Oxide	21.3%
Resistance				Calcium Carbonate	33.5%
Manufactured at Plant #4-8-16		# 30 1-4-67		100.0%	
Manufacturing Instructions or Remarks				Vehicle	
Di(Phenyl-Mercury)				Soya Alkyd Resin	17.1%
Dodeceny Succinate		0.06%		Treated Linseed Oil	53.4%
Inert Ingredients		99.94%		Mineral Spirits &	
		100.00%		Driers	29.5%
				100.0%	
				NO CHANGE IN ANALYSIS	
				T-1892-2	667

GLD060800

Product **Endurance House Paint - #1892 Non-Chalking**

Customer

Formula Number Y-1892-0-1

Laboratory Number

R.M. Cost Date 3/31/67

Mill Grind

NPW 1 Lead

Label Warning	METHOD
---------------	--------

Vir./Gal.

Flash Pt. °F.

N.Y. 191.

N.Y. Vol.

Visc. F.B.

Visc. Red.

Reducer	Ratio
---------	-------

P.V.C.	pH
--------	----

Color March

Gloss	Method
-------	--------

Strainer

Container:

Application

AD/Bake

Recent Time

Remarks

Formulator

Approved by

CODE NUMBER

100 GALLON BATCH

GALLONS

POUNDS

% BY
WEIGHT

MANUFACTURING INSTRUCTIONS

DISCONTINUED: REPLACED WITH
Y-1801

Per T. M. Steppart

Standard Formula.

Not to be taken:

~~from file~~

Yigrid

GLD060801

Glidden Form 1700-1 (back) Printed in U.S.A. 2/67

C & R FORMULA

Date

Formula No.

CLASS

CODES

Product

DESCRIPTORS (20 spaces-limit)

Label Warning

Trade Name

Customer

ANALYSIS

Substrate and Treatment

Pigment

%

End Use

Vehicle

%

Specifications

Royalty

Yes ☐

No ☐

Silicone

Yes ☐

No ☐

Pigment

Resins

Color

Gloss

For Use On

Resistance

Manufactured at Plants

Vehicle

Manufacturing Instructions or Remarks

GLD060802