Product: Endurance House Paint - Light Canary

Customer:

CODE NUMBER	100 GALLON BATCH GALLONS	100 GALLON BATCH POUNDS	% BY WEIGHT	MANUFACTURING INSTRUCTIONS
	DISCONTINUED			
	USE	85-Y-87		

Glidden Form 1109-1 (back) Printed in U.S.A. 2/67

C & R FORMULA

CLASS						
CODES						

DESCRIPTORS (20 spaces-limit)

Trade Name Customer

Substrate and Treatment

End Use

Specifications

Royalty Yes ☐ No ☐ Silicone Yes ☐ No ☐

Resins

Color Gloss

For Use On

Resistance

Manufactured at Plants Y-Paint & Lac 8-1-67(2)

(Tack Only) #4-8-11-12-15-16 "

Manufacturing Instructions or Remarks

Date Formula No.

Product

Label Warning

ANALYSIS

Pigment %

Vehicle %

Pigment

Vehicle

GLD059132

Glidden Form 1109-1 Printed in U.S.A. 4/66 C & R FORMULA

Product Endurance House Paint - Light Canary

Customer

CODE NUMBER	100 GALLON BATCH GALLONS	100 GALLON BATCH POUNDS	% BY WEIGHT	MANUFACTURING INSTRUCTIONS
1-W-125-C-2	97.43	1365.0		
369-Y-1	(1.47)	25.0		
369-Y-89	(1.10)	14.0		
Yield	100.00	1404.0		

Standard Formula, Not to be taken from File.

Formula Number Y-1886-C-2 BAD

Laboratory Number

R.M. Cost Date 8/1/67

Mill Mix Grind

NPVLA Lead 1 plus

Label Warning 14-62 METHOD

Wt./Gal. 14.0#

Flash Pt. 100°

N.V.Wt.

N.V.Vol.

Visc. F. 85-90 KU

Visc. Red.

Reducer S-330 Ratio

P.V.C. pH

Col. Yellow Match Y-3507

Gloss Method

Strainer

Container

Application Brush

Cure Air Dry: Overnight
Recoat: 48 hrs.

Remarks

Formulator J. E. Southwick

Approved by

GLD059133

Glidden Form 1109-1 (back) Printed in U.S.A. 4/66 C & R FORMULA

CLASS					
CODES					

DESCRIPTORS (20 spaces—limit)

Trade Name Customer

Substrate and Treatment

End Use

Specifications

Royalty Yes ☐ No ☐ Silicone Yes ☐ No ☐

Resins

Color Glass

For Use On

Resistance 7.30 1.4-67 #1

Manufactured at Plants #4-8-16

Contains added Fungicide to make this paint resistant to the action of Mildew Fungi xxxxxxxxxxxxxxxxxgrowing in or on the paint.

Resistant to Mildew on the Paint Film Only.

Di(Phenyl-Mercury) Dodecenyl Succinate	.06%
Inert Ingredients	99.94
	100.00%

Date 3/1/67 Formula No. Y-1886-C-2

Product Endurance House Paint - Light Canary

Label Warning #14-62 NPVLA

ANALYSIS

Pigment	63.1 %
Vehicle	36.9 %
	100.0%

Pigment

Titanium Dioxide	17.0%
Zinc Oxide	25.0
Calcium Carbonate	34.0
Silica & Silicates	24.0
	100.0%

Tinting material less than 5%

Vehicle

Treated Linseed Oil	64.7%
Treated Soya Oil	7.5
Mineral Spirits & Driers	27.8
	100.0%

NO CHANGE IN ANALYSIS

Y-1886-2 565

GLD059134

Glidden Form 1109-1 Printed in U.S.A. 4/66

C & R FORMULA

Product: **Endurance House Paint - Light Canary**

Customer:

CODE NUMBER	100 GALLON BATCH GALLONS	100 GALLON BATCH POUNDS	% BY WEIGHT	MANUFACTURING INSTRUCTIONS
1-W-125-C-1	97.43	1365.0		DISCONTINUED
369-Y-1	1.47	25.0		SEE 8-31-67 85-Y-87
369-Y-89	1.10	14.0		
Yield	100.00	1404.0		

Standard formula. Not to be taken from File.

Formula Number: Y-1886-C-house

Laboratory Number:

R.M. Cost: Date 3/1/67

Mill: Mix Grind:

NPVLA: %Lead: 1 plus

Label Warning: 14-62 METHOD

Wt./Gal.: 14#

Flash Pt., °F: 100°

N.V.Wt.:

N.V.Vol.:

Visc. F.: 85-90 KU

Visc. Red.

Reducer: S-330 Ratio:

P.V.C. pH:

Color: Yellow Match: Y-3507

Gloss: Method:

Strainer:

Container:

Application: Brush

Cure: Air Dry-Overnight

Recoat: 48 hrs.

Remarks:

Formulator: J. E. Southwick

Approved by:

GLD059135

Glidden Form 1109-J (back) Printed in U.S.A. 4/66 C & R FORMULA

CLASS					
CODES					

DESCRIPTORS (20 spaces-limit)

Trade Name Customer

Substrate and Treatment

End Use

Specifications

Royalty. Yes ☐ No ☐ Silicone Yes ☐ No ☐

Resins

Color Gloss

For Use On

Resistance #30 1-4-67

Manufactured at Plants #1-2-5-17

Manufacturing Instructions or Remarks

Date 3/1/67 Formula No. Y-1886-C-1

Product Endurance House Paint - Light Canary

Label Warning #14-62 NPVLA

ANALYSIS

Pigment 63.1 %

Vehicle 36.9 %

100.0%

Pigment

Titanium Dioxide	17.0%
10% Leaded Zinc Oxide	25.0%
Calcium Carbonate	34.0%
Silica & Silicates	24.0
	100.0%

Tinting material less than 5%

Vehicle

Treated Linseed Oil	64.7%
Treated Soya Oil	7.5%
Mineral Spirits & Driers	27.8%
	100.0%

Y-1886-1 565

GLD059136

GLIDDEN 4800-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1886-C-2 BA

GOODS Endurance House Paint - Light Canary

LABORATORY NO.

CONSISTENCY

COST CLASS DATE 5/14/6

FOR USE ON Mfg. plants ##-8-X8-16

STRAINER GRIND Mix

CUSTOMER More than 1% Lead

MILL WT. OR BE 14

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH		
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.
1-W-125-C-2				97.43	1365.0	
369-Y-1				(1.47)	25.0	
369-T-89				(1.10)	14.0	
YIELD				100.00	1404.0	

Standard Formula Not to be taken from File.

IS AGITATOR REQUIRED

VISC. F. B. 85-90 KU EMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN

NON VOL. FLASH PT. 100°F

MATCH FOR Y-3507

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN Overnight

A. D. TO RECOAT IN 48 hours

REMARKS:

Changed to 1-W-125-C-2 quality.

FORMULATOR J. E. Southwick

GLD059137

COST	DATE	ANALYSIS		CUSTOMERS Y-1886-C-2
		PIGMENT 63.1 %		Endurance House Paint - Light Canary
		VEHICLE 36.9 %		
		100.0%		
				5/14/65
		PIGMENT		
		Titanium Dioxide	17.0%	
		Zinc Oxide	25.0	Warning No. 14-62 NPVLA
		Calcium Carbonate	34.0	
		Silica & Silicates	24.0	Contains added Fungicide to make
			100.0%	this paint resistant to the
				action of Mildew Fungi growing
		Tinting material		in or on the paint.
		less than 5%		
				Resistant to Mildew on the
		VEHICLE		Paint Film Only.
		Treated Linseed Oil	64.7%	
		Treated Soya Oil	7.5	Di(Phenyl-Mercury)
		Mineral Spirits &		Dodecenyl Succinate .06%
		Driers	27.8	Inert Ingredients 99.94%
			100.0%	100.00%
		#15 (Stamped) 9-16-64		
				Y Paint Lot 6-3-65 0
				#4-8-16
				Stamped: #1 6-3-65 0
		Y-1886-2	565	#30 (Thornton) 2-24-66 0

GLD059138

GLIDDEN 480-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1886-C-1 Base

GOODS: Endurance House Paint - Light Canary

LABORATORY NO.

CONSISTENCY

COST CLASS DATE 5/14/6

FOR USE ON: Mfg. plants #1-2-5-17

STRAINER GRIND Mix

CUSTOMER: More than 1% Lead

MILL WT. OR BE 14

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
1-W-125-C-1				97.43	1365.0	
369-Y-1				(1.47)	25.0	
369-Y-89				(1.10)	14.0	
DISCONTINUED						
		8-31-67				
NF		85-Y-87				
YIELD				100.00	1404.0	

Standard formula. Not to be taken from File.

IS AGITATOR REQUIRED

VISC. F. B. 85-90 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN

NON.VOL. FLASH PT. 100°F

MATCH FOR Y-3507

REDUCER S-43

AMT. FOR BRUSHING As needed

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN Overnight

A. D. TO RECOAT IN 48 hours

REMARKS:

Changed to 1-W-125-C-1 quality.

FORMULATOR J. E. Southwick

GLD059139

COST	DATE	ANALYSIS		CUSTOMERS Y-1886-C-1
		PIGMENT 63.1 %		Endurance House Paint - Light
		VEHICLE 36.9 %		Canary
		100.0%		
		PIGMENT		5/14/65
		Titanium Dioxide	17.0%	
		10% Leaded Zinc Oxide	25.0%	Warning No. 14-62 NPVLA
		Calcium Carbonate	34.0 %	
		Silica & Silicates	24.0	Y Paint List 6-2-65
			100.0%	2-1-2-3-17
		Tinting material		#301 (Thinner) 2-24-66
		less than 5%		
				Costa Rica 9-2-66
		VEHICLE		
		Treated Linseed Oil	64.7%	#15 (Litharge) 9-16-66
		Treated Soya Oil	7.5%	
		Mineral Spirits &		
		Driers	27.8%	
			100.0%	

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FORMULA RECORD

FORMULA NO. Y-1886-B BASE

GOODS: Endurance House Paint - Light Canary

LABORATORY NO.

CONSISTENCY

COST CLASS.

DATE 3/21/63

FOR USE ON: XX Mfg. at plants #1-2-4-5-8-11-12-14-15-16-17

STRAINER

GRIND 3-4

CUSTOMER: More than 1% Lead

MILL Mix

WT. OR BE 13.5

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
1-W-125				97.9	(1326.0)	
369-Y-1				(1.21)	20.6	
369-Y-89				(0.83)	10.6	
YIELD				99.94	1357.2	

IS AGITATOR REQUIRED

VISC. F.B. 85-90 KU TEMP. 77°F

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR Yellow SHEEN

NON VOL. FLASH PT. 100°F

MATCH FOR Y-3507

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN Overnight

A. D. TO RECOAT IN 72 hrs.

REMARKS:

Changed to use 369 bases.

FORMULATOR J. E. Southwick

DISCONTINUED SEE Y-1886-C-182

Standard Formula. Not to be taken from File.

GLD059141

COST	DATE	ANALYSIS		CUSTOMERS
		PIGMENT 59 %		Endurance House Paint
		VEHICLE 41 %		Light Gray
		100 %		
				3/21/63
		PIGMENT		
		Titanium Calcium	45%	Y Enamel List 3-26-63
		Zinc Oxide	32	#1-2-4-5-8-11-12-14-15-16-17
		Calcium Carbonate	23	
			100 %	
				Warning No. 14-62 NPVLA
				(12/19/62)
		Tinting material less than 5%		
				No change in analysis
		VEHICLE		
		Low Minerals Oil	55%	Sek Japan 2-10-64
		Boiled Minerals Oil	22	Mexico 2-21-64
		Mineral Spirits & Driers	23	
			100 %	West Indies 3-3-64
				Guatemala 3-5-64
				Manila 3-31-64
				Colombia 4-24-64
				Peru 5-5-64 (3)
			104	

GLD059142

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FORMULA RECORD

FORMULA NO. Y-1886-A

GOODS Endurance House Paint - Light Canary

LABORATORY NO:

CONSISTENCY

COST CLASS. DATE 4/10/61

FOR USE ON

STRAINER GRIND 3-4

CUSTOMER More than 1% Lead

MILL Mix WT. OR BE 13.5

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
1-W-125				97.89	(1326)	
Y-1716				1.3	(20.6)	
Y-1701				.81	(10.6)	
				DISCONTINUED		
				SEE Y-1886-B		
				Standard Formula, Not to be taken from File.		
YIELD				100.0	1356.2	

IS AGITATOR REQUIRED

VISC. F. B. 85-90 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR Yellow SHEEN

NON VOL. FLASH PT.

MATCH FOR Y-3507

REDUCER S-43

AMT. FOR BRUSHING P.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN O.N.

A. D. TO RECOAT IN 72 hrs.

REMARKS:

FORMULATOR J.E. Southwick

GLD059143

COST	DATE	ANALYSIS		CUSTOMERS Y-1886-A
		PIGMENT 59 %		Endurance House Paint -
		VEHICLE 41 %		Light Canary
		100 %		
		PIGMENT		4/19/61
		Titanium Calcium	43%	Warning No- 14-62 NPY2A
		Zinc Oxide	32	(12-19-62)
		Calcium Carbonate	25	No. ~~4 Label Warning~~
			100 %	
		Tinting material less than 5%		Y-Enamel List 5-4-61
				Plants #1-2-4-5-12-14-8-11 & 17
		VEHICLE		
		Raw Linseed Oil	55%	Chile-Colombia-Guatemala
		Bodied Linseed Oil	22	Mexico-Peru-West Indies 5/12/6
		Mineral Spirits & Driers	23	
			100 %	716 (Hess) Scopus 11-1-61 ①
				Sek. Japan 3-16-62 ①
				#15 7-24-62 ①
		Y-1886	659 ~~164~~	

GLD059144

OLTODEN 480 N. PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1886 18-9-55

GOOD Endurance House Paint - Light Canary

LABORATORY NO. 4-19-61

CONSISTENCY Liquid

COST CLASS.

DATE ~~7/18/55~~

FOR USE ON No 4 Label Warning

STRAINER

GRIND 3-4

CUSTOMER No. 4

MILL Mix

WT. OR BE ~~14.7~~ 13.5

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
~~Y-1804-T~~	8.			99.89	(1326)	
Y-1716			3-1/2	Loz. 43	(20.6)	
Y-1701			1/4	Loz. .86	(10.6)	
YIELD	1.03 Gal.			100 ~~100.05~~	1356.2 ~~1355.5~~	

Standard Formula Not to be taken from Fire.

IS AGITATOR REQUIRED

VISC. F.B. 85-90 KU TEMP.

VISC. REQ. TEMP.

VISCOSIMETER Stormer

COLOR Yellow SHEEN

NON VOL. FLASH PT.

MATCH FOR Y-3507

REDUCER S-43

AMT. FOR BRUSHING FB

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN O.N.

A. D. TO RECOAT IN 72 hrs.

REMARKS:

FORMULATOR J.E.S.

OK PCH 28-8-8

GLD059145

COST	DATE	ANALYSIS		CUSTOMERS Y-1886
		PIGMENT 61.8 %		Endurance House Paint
		VEHICLE 38.2 %		Light Canary
		100.0 %		7/18/55
		PIGMENT		"Y" Trade Sales List 8-9-55
		10% Leaded Zinc Oxide	32.3%	Tula 11-28-55
		Basic Sulphate White Lead	12.8	
		Titanium Dioxide	12.3	Peru 3-24-56
		Barium Sulphate	12.3	
		Magnesium Silicate	30.3	Bradley (Chill) 5-18-56
			100.0 %	Columbia 7-10-56
				Cuba 6-18-57
		Tinting material less then 5%		
				Drees 7-15-57
		VEHICLE		
		Linseed Oil	47.2%	Portland-New S. Fine
		Treated Soya Oil	26.0	6-17-58
		Mineral Spirits & Drier	26.8	West Indies 11-24-5
			100.0 %	West Indies 1-19-59
				Guatemala 8-24-5
				J Kuhn (C) 8-26-6
				J P Mexico 9-16-60
		Y-1886 557		

GLD059146

FORMULA RECORD

FORMULA NO. Y-1886-A (San Fran. Toronto)

GOODS Endurance Alkyd House Pt.- Lt. Canary

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 7/15/60

FOR USE ON San Francisco & Toronto

STRAINER GRIND Mix

CUSTOMER Less than 1% Lead No 4 Label

MILL WT. OR BE 9.5#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
Y-1804 SF & Tor. dated 6/10/60				100		
76-Y-129				3.5		
318-Y-89				.25		
Y-1720				Trace		
YIELD				100.72		

Standard Formula. Not to be taken from File.

IS AGITATOR REQUIRED Warren

VISC. F.P. 78-82 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR Hi Gloss

NON VOL. FLASH PT.

MATCH FOR Y-1886

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN O.N.

A. D. TO RECOAT IN O.N.

REMARKS:

Changed to improve exterior color retention

FORMULATOR J.E. Southwick

OK PCH

GLD059147

COST	DATE	ANALYSIS		CUSTOMERS Y-1886 SF & Tor.
		PIGMENT 27.4 %		
		VEHICLE 72.6 %		Endurance Alkyd House Pt.-
		100.0 %		Lt. Canary
				7/15/60
		PIGMENT		
		Titanium Dioxide	55.5%	No. 1 Label Warning
		Calcium Carbonate	23.4	
		Magnesium Silicate	21.1	No change in analysis
			100.0%	
				Five: Mattesbaugh -
				Southwick - [illegible] & Paper [illegible]
		Tinting material less than 5%		on Y. Enamel List 7-19-[illegible]
		VEHICLE		Toronto & San Francisco
		Soya Alkyd Resin	58.1%	7-19-60
		Mineral Spirits & Driers	41.9	Schulte (SF) 9-2-[illegible]
			100.0%	
				[illegible] 1-2-6 61
		Y-1886 066		

GLD059148

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FORMULA RECORD

FORMULA NO. Y-1885- SP & To

GOODS Endurance Alkyd House Pt. - Lt. Canary

LABORATORY NO.

CONSISTENCY

COST CLASS

DATE 6/10/60

FOR USE ON TORINTO & SAN FRANCISCO

STRAINER

GRIND Mix

CUSTOMER More than 1% Lead

MILL

WT. OR BE 9.5

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
Y-1804 SP & T dated 6/10/60				100		
218-Y-2				3		
218-Y-89				.25		
218-B-7 or Y-1720				Trace		
YIELD				103.25		

Standard Formula Not to be taken from File

IS AGITATOR REQUIRED

VISC. F.B. 78-82 KU TEMP. 77°F

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN Fl Gloss

NON VOL. FLASH PT.

MATCH FOR Y-1885

REDUCER B-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN O.N.

A. D. TO RECOAT IN hrs.

REMARKS:

FORMULATOR J.E. Southwick

GLD059149

COST	DATE	ANALYSIS		CUSTOMERS Y-1886-SF & Tor
		PIGMENT 27.4 %		Endurance Alkyd House Pt.
		VEHICLE 72.6 %		Lt. Canary
		100.0%		
				6/10/60
		PIGMENT		
		Titanium Dioxide	55.5%	
		Calcium Carbonate	23.4	
		Magnesium Silicate	21.1	No. 3 Label Warning
			100.0%	
				Cleve, Mutersbaugh -
				Southwick - TMK + paper
		Tinting material less than 5%		copies 6-14-60
				Toronto - San Francisco
		VEHICLE		6-14-60
		Soya Alkyd Resin	58.1%	
		Mineral Spirits & Driers	41.9	
			100.0%	
		Y-1886	066	

GLD059150