2014 ARCHITECTURAL COATINGS SURVEY

EXAMPLE OF COMPLETED SURVEY

(May be used as part of beta testing of the Architectural Coatings Reporting Tool)

EXAMPLE

"Paintsales Company" is reporting sales of four products. The following data are used to complete the Product Information for each product. An Ingredient Information for each product is also completed, as is the Company Information. **These examples can be used as part of the beta testing of the Architectural Coatings Reporting Tool.**

Product Example #1 – Single Component Waterborne Coating

Entry #1

# of Products Grouped:	**1**	
Coating Code:	**27**	(Nonflat)
Substrate Code(s):	**9, 13**	(Drywall/Plaster, Wood)
Interior/Exterior/Dual:	**I**	(Interior)
Vehicle Technology:	**WB**	(Waterborne)
Resin Code:	**1**	(Acrylic)
Single or Multi-Component:	**S**	(Single Component)
Coating Density:	**10.0**	
Weight Percent of Solids:	**42**	
Wt. Percent of Volatile Matl:	**58**	
Wt. Percent of Water:	**54**	
Volume Percent of Solids:	**40**	
Volume Percent of Water:	**56**	
VOC Actual:	**48**	
VOC Regulatory:	**109**	
Sales Information (< 1 qt):	**1,000**	
Sales Information (> 1 qt):	**50,000**	
Sales Information (total):	**51,000**	

$$\mathrm{VOC}_{\mathrm{Actual}} = \frac{W_{vm} - W_w - W_e}{V_c} \qquad \mathrm{VOC}_{\mathrm{Regulatory}} = \frac{W_{vm} - W_w - W_e}{V_c - V_w - V_e}$$

$(\textit{Also known as Material VOC})$ $(\textit{Also known as Coating VOC})$.

Where:

- W_{vm} = Total weight of volatile materials (VOC+water+exempt cmpds), in grams
  =(Wt. % Volatiles, 58/100)*(Coating Density, 10.0 lb/gal)*(454 grams/lb)*(1 gal) =2633 g
- W_w = Weight of water in the coating, in grams
  =(Wt. % Water, 54/100)*(Coating Density, 10.0 lb/gal)*(454 grams/lb)*(1 gal) =2452 g
- W_e = Weight of exempt compounds in the coating, in grams = 0 grams for this coating example
- V_c = Total volume of the coating, in liters = 1 gallon or 3.7854 liters for this coating example
- V_w = Volume of water in the coating, in liters =(Volume % Water, 56/100)*1 gal)*(3.7854 liters/gal) =2.12 liters
- V_e = Volume of exempt compounds in the coating, in liters = 0 liters for this coating example

Sample Calculation:

$$\mathrm{VOC}_{\mathrm{Actual}} = \frac{2633\,\mathrm{g} - 2452\,\mathrm{g} - 0\,\mathrm{g}}{3.7854\,\mathrm{liters}} = 48\,\mathrm{g/l}$$

$$\mathrm{VOC}_{\mathrm{Regulatory}} = \frac{2633\,\mathrm{g} - 2452\,\mathrm{g} - 0\,\mathrm{g}}{3.7854\,\mathrm{liters} - 2.12\,\mathrm{liters} - 0\,\mathrm{liter}} = 109\,\mathrm{g/l}$$

Product Example #2 – Single Component Solventborne Coating

Entry #2

# of Products Grouped:	**2**	
Coating Code:	**30**	(Primer/Sealer/Undercoater)
Substrate Code(s):	**3, 9**	(Concrete/Stone/Masonry, Drywall/Plaster)
Interior/Exterior/Dual:	**D**	(Dual)
Vehicle Technology:	**SB**	(Solventborne)
Resin Code:	**3**	(Alkyd)
Single or Multi-Component:	**S**	(Single Component)
Coating Density, SWA:	**12.1**	(product 1 = 11.9 lbs/gal; product 2 = 12.2 lbs/gal)
Weight Percent of Solids, SWA:	**69.9**	(product 1 = 68%; product 2 = 71%)
Wt. Percent of Volatile Matl, SWA:	**30.1**	(product 1 = 32%; product 2 = 29%)
Weight Percent of Exempts, SWA:	**3.9**	(product 1 = 3.8%; product 2 = 3.9%)
Volume Percent of Solids, SWA:	**65.5**	(product 1 = 63%; product 2 = 67%)
Volume Percent of Exempts, SWA:	**3.6**	(product 1 = 3.7%; product 2 = 3.6%)
VOC Actual, SWA:	**380**	(product 1 = 402 g/l; product 2 = 367 g/l)
VOC Regulatory, SWA:	**395**	(product 1 = 418 g/l; product 2 = 381 g/l)
Sales Information (> 1 qt):	**55,000**	(product 1 = 20,000 gallons; product 2 = 35,000 gallons)

"SWA" = Sales Weighted Average

$$\text{Coating Density}^{SWA} = \frac{\left(\left(\text{Value}_1 \text{ x } \text{Sales}_1\right) + \left(\text{Value}_2 \text{ x } \text{Sales}_2\right) + \left(\text{Value}_n \text{ x } \text{Sales}_n\right)\right)}{\left(\text{Sales}_1 + \text{Sales}_2 + \text{Sales}_n\right)}$$

$$\text{Coating Density}^{SWA} = \frac{\left(\left(11.9 \text{ lbs/gal x } 20{,}000 \text{ gals}\right) + \left(12.2 \text{ lbs/gal x } 35{,}000 \text{ gals}\right)\right)}{\left(20{,}000 + 35{,}000 \text{ gals}\right)} = 12.1 \text{ lbs/gal}$$

Where:

Value$_{(1,2,...n)}$ = Coating Density for products 1,2,...n
Sales$_{(1,2,...n)}$ = Sales for products 1,2,...n

$$\text{VOC}_{\text{Actual}} = \frac{W_{vm} - W_w - W_e}{V_c} \quad \left(\text{Also known as Material VOC}\right)$$

$$\text{VOC}_{\text{Regulatory}} = \frac{W_{vm} - W_w - W_e}{V_c - V_w - V_e} \quad \left(\text{Also known as Coating VOC}\right).$$

Where:

W_{vm} = Total weight of volatile materials (VOC+water+exempt cmpds), in grams
=(Wt. % Volatiles, 30.1/100)*(Coating Density, 12.1 lb/gal)*(454 grams/lb)*(1 gal) =1654 g
W_w = Weight of water in the coating, in grams = 0 grams for this coating example
W_e = Weight of exempt compounds in the coating, in grams
=(Wt. % Exempts, 3.9/100)*(Coating Density, 12.1 lb/gal)*(454 grams/lb)*(1 gal) =214 g
V_c = Total volume of the coating, in liters = 1 gallon or 3.7854 liters for this coating example
V_w = Volume of water in the coating, in liters = 0 liters for this coating example
V_e = Volume of exempt compounds in the coating, in liters
=(Volume % Exempts, 3.6/100)*(1 gal)*(3.7854 liters/gal) =0.14 liters

Sample Calculation:

$$\text{VOC}_{\text{Actual}} = \frac{1654 \text{ g} - 0\text{g} - 214 \text{ g}}{3.7854 \text{ liters}} = 380 \text{ g/l}$$

$$\text{VOC}_{\text{Regulatory}} = \frac{1654 \text{ g} - 0 \text{ g} - 214 \text{ g}}{3.7854 \text{ liters} - 0 \text{ liters} - 0.14 \text{ liter}} = 395 \text{ g/l}$$

Product Example #3 – Multicomponent Solventborne Coating

VOC content for multi-component coatings are as mixed, applied or fully reacted.

Entry #3

# of Products Grouped:	**3**	
Coating Code:	**19**	(Industrial Maintenance)
Substrate Code(s):	**10**	(Metal)
Interior/Exterior/Dual:	**D**	(Dual)
Vehicle Technology:	**SB**	(Solventborne)
Resin Code:	**7**	(Epoxy)
Single or Multi-Component:	**M**	(Multi-Component)
Coating Density, SWA:	**11.1**	(product 1 = 10.5 lbs/gal; product 2 = 11.5 ; product 3 = 11.0)
Weight Percent of Solids, SWA:	**69.9**	(product 1 = 68%; product 2 = 71%; product 3 = 70%)
Wt. Percent of Volatile Matl, SWA:	**30.1**	(product 1 = 32%; product 2 = 29%; product 3 = 30%)
Volume Percent of Solids, SWA:	**65.1**	(product 1 = 64%; product 2 = 66%; product 3 = 65%)
VOC Actual, SWA:	**349**	(product 1 = 360 g/l; product 2 = 340 g/l; product 3 = 350 g/l)
VOC Regulatory, SWA:	**349**	(product 1 = 360 g/l; product 2 = 340 g/l; product 3 = 350 g/l)
Sales Information (> 1 qt):	**2,300**	(product 1 = 500 gallons; product 2 = 800; product 3 = 1000)

Notes:

1. "SWA" = Sales Weighted Average
2. VOC contents for multi-component coatings are as mixed, applied or fully reacted.

$$\text{VOC Regulatory}^{\text{SWA}} = \frac{\left(\left(\text{Value}_1 \text{ x } \text{Sales}_1\right) + \left(\text{Value}_2 \text{ x } \text{Sales}_2\right) + \left(\text{Value}_n \text{ x } \text{Sales}_n\right)\right)}{\left(\text{Sales}_1 + \text{Sales}_2 + \text{Sales}_n\right)}$$

Where:

$Value_{(1,2,...n)}$ = VOC Regulatory for products 1,2,...n

$Sales_{(1,2,...n)}$ = Sales for products 1,2,...n

Sample Calculation:

$$\text{VOC Regulatory}^{\text{SWA}} = \frac{\left(\left(360 \text{ g/l x } 500 \text{ gals}\right) + \left(340 \text{ g/l x } 800 \text{ gals}\right) + \left(350 \text{ g/l x } 1000 \text{ gals}\right)\right)}{\left(500 + 800 + 1000 \text{ gals}\right)} = 349 \text{ g/l}$$

Product Example #4 – Single Component Low Solids Coating

Entry #4

# of Products Grouped:	**1**	
Coating Code:	**21**	(Low Solids)
Substrate Code(s):	**13**	(Wood)
Interior/Exterior/Dual:	**I**	(Interior)
Vehicle Technology:	**WB**	(Waterborne)
Resin Code:	**15**	(Urethane, Polyurethane)
Single or Multi-Component:	**S**	(Single Component)
Coating Density:	**8.3**	
Weight Percent of Solids:	**8.0**	
Wt. Percent of Volatile Matl:	**92.0**	
Wt. Percent of Water:	**89.5**	
Volume Percent of Solids:	**7.5**	
Volume Percent of Water:	**90.0**	
VOC Actual:	**25**	
VOC Regulatory:	**25**	
Sales Information (< 1 qt):	**200**	
Sales Information (> 1 qt):	**500**	
Sales Information (total):	**700**	

For a low solids coating, VOC Regulatory is calculated in a different manner. The VOC Regulatory value for a low solids coatings is the same as the VOC Actual value, as shown below:

$$VOC_{Actual} = \frac{W_{vm} - W_w - W_e}{V_c}$$

$$VOC_{Regulatory\ (Low\ Solids)} = \frac{W_{vm} - W_w - W_e}{V_c}$$

Where:

- W_{vm} = Total weight of volatile materials (VOC+water+exempt cmpds), in grams
  =(Wt. % Volatiles, 92/100)*(Coating Density, 8.3 lb/gal)*(454 grams/lb)*(1 gal) =3467 g
- W_w = Weight of water in the coating, in grams
  =(Wt. % Water, 89.5/100)*(Coating Density, 8.3 lb/gal)*(454 grams/lb)*(1 gal) =3373 g
- W_e = Weight of exempt compounds in the coating, in grams = 0 grams for this coating example
- V_c = Total volume of the coating, in liters = 1 gallon or 3.7854 liters for this coating example

Sample Calculation:

$$VOC_{Actual} = VOC_{Regulatory\ (Low\ Solids)} = \frac{3467\,g - 3373\,g - 0\,g}{3.7854\,liter} = 25\,g/l$$

Company Information – Reporting Year 2013

Company Name: **Paintsales Company**		Web Site: **www.paintsales.com**
Division: **Architectural**		
Address: **12345 Main St.**		
City: **Anytown**	State: **CA**	Zip: **12345-0000**
Contact Person: **Mr. John Doe**	Title: **Environmental Manager**	
Phone: **(999) 999-9999**	FAX: **(999) 999-9998**	Email: **jdoe@paintsales.com**

Type of Business (check all that apply)

- ☒ Manufacturer
- ❑ Importer
- ❑ Retail Distributor
- ☒ Wholesale Distributor
- ❑ Private Label Manufacturer
- ❑ Toll Manufacturer
- ❑ Other (Specify):

Company Marketing Classification
(check all that apply)

- ❑ International
- ❑ National
- ☒ Regional (e.g., western U.S.): **Southwestern U.S.**
- ❑ California Statewide
- ❑ California Local

Gross Annual Receipts ($) *For Calendar Year 2013*	**Company Wide**	**California Company**	**California Coatings Division**
Less than 500,000	❑	❑	❑
Between 500,000 and < 1 million	❑	❑	❑
Between 1 and < 2 million	❑	❑	❑
Between 2 and < 5 million	❑	❑	❑
Between 5 and < 10 million	❑	☒	❑
Between 10 and < 100 million	☒	❑	❑
Between 100 million and < 1 billion	❑	❑	❑
Greater than or equal to 1 billion	❑	❑	❑
Employees *For Calendar Year 2013*			
Less than 10	❑	❑	❑
Between 10 and < 100	❑	☒	❑
Between 100 and < 250	☒	❑	❑
Between 250 and < 500	❑	❑	❑
Greater than or equal to 500	❑	❑	❑

Company Organization and/or Ownership

Parent Company Name:
Chemchem Corporation

Address:
1111 First Avenue

City: **Bigtown**
State: **NY**
Zip: **01234-0000**
Contact Person: **Ms. Jane Doe**
Title: **CEO**
Phone #: **555-555-5555**

How did you determine Calendar Year 2013 California Sales Volume? (check all that apply)

- ❑ Direct California retail sales
- ☒ Direct California wholesale distribution
- ❑ Prorated from national retail sales
- ❑ Prorated from national wholesale distribution
- ❑ Other (explain):

CERTIFICATION

CERTIFICATION: I hereby certify that, to the best of my knowledge and belief, all information entered on the Company Information Form, Product Information Form, and Ingredient Information Form,is complete and accurate.

Name: **John Smith**	Title: **Senior Counsel**
Signature: **John Smith**	Date: **September 17, 2014**

Product Information – Reporting Year 2013

Entry # :	1	Note: This entry # must also appear on your corresponding Ingredient Information.

Product Code:	WX 3000
Product Name:	WALCOAT

Physical & Other Data

# of Products Grouped	Coating Category Code 1-43	Substrate Code(s) 0-18	Interior, Exterior, or Dual I, E, D	Vehicle Technology SB or WB	Resin Code(s) 1-19	Single or Multi-Component S or M	Coating Density* C_d lbs/gal	
1	**27**	**9,13**	**I**	**WB**	**1**	**S**	**10.0**	
Weight Percent of Volatile Material* W_{vm} %	Weight Percent of Water* W_w %	Weight Percent of Exempts* W_e %	Weight Percent of Solids* %	Volume Percent of Solids* %	Volume Percent of Water* V_w %	Volume Percent of Exempts* V_e %	VOC Actual* grams/liter	VOC Regulatory* (Less Water) grams/liter
58.0	**54.0**	**0.0**	**42.0**	**40.0**	**56.0**	**0.0**	**48**	**109**

If necessary, use these equations with the factors above to calculate VOC Actual and VOC Regulatory.

$$\text{VOC}_{\text{Actual (g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{100} x \frac{119.83\ g/l}{1\ lb/gal}$$

$$\text{VOC}_{\text{Regulatory (g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{(100 - V_w - V_e)} x \frac{119.83\ g/l}{1\ lb/gal}$$

$$\text{VOC}_{\text{Regulatory (Low Solids, g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{100} x \frac{119.83\ g/l}{1\ lb/gal}$$

How were VOC Actual and Regulatory determined?	❑ U.S. EPA Method 24	❑ Formulation Data

2013 California Sales in Gallons (Include sales to distributors)

Container Sizes One Quart or Less (gallons)	Container Sizes Larger Than One Quart (gallons)	Total Gallons (quart or less + > quart)
1,000	**50,000**	**51,000**

***** SWA – Report SWA "Sales Weighted Average" if grouping products.

Comments:

NOTE: All Product Information must have corresponding Ingredient Information.

Ingredient Information – Reporting Year 2013

Entry # from Product Information: **1**	Speciate Volatile Organic Compounds (VOCs) and Exempt Compounds

#	VOCs and Exempt Compounds	CAS #	BIN #[1]	wt %[2]
1	**Propylene Glycol**	**57556**		**2.5**
2	**2,2,4-Trimethyl-1,3-Pentanediol Isobutyrate**	**25265774**		**0.9**
3	**2-Amino-2-Methyl-1-Propanol**	**124685**		**0.5**
4	**Diethylene Glycol Monobutyl Ether**	**112345**		**0.1**

Aggregated VOCs < 0.1 wt %	**0.0**
Aggregated Exempt Compounds < 0.1 wt %	**0.0**
wt % Water	**54.0**
wt % Solids	**42.0**
Total of All Ingredients (Must Equal 100%)	**100.0**

Comments:

Resin and paraffin content must be reported for the following categories:
Concrete/Masonry Sealers
Floor Coatings
Waterproofing Concrete/Masonry Sealers

1. BIN #'s are only to be reported for hydrocarbon solvents (e.g., mineral spirits, Stoddard Solvent, VM&P Naphtha).

2. List VOCs and Exempt Compounds that individually amount to 0.1% or greater by weight of the final product. Enter the percent by weight to the nearest 0.1% for each ingredient in the final product.

NOTE: All Ingredient Information must have corresponding Product Information.

Product Information – Reporting Year 2013

Entry # :	2	Note: This entry # must also appear on your corresponding Ingredient Information.
Product Code:		**PX3000**
Product Name:		**PRIMERCOAT**

Physical & Other Data

# of Products Grouped	Coating Category Code 1-43	Substrate Code(s) 0-18	Interior, Exterior, or Dual I, E, D	Vehicle Technology SB or WB	Resin Code(s) 1-19	Single or Multi-Component S or M	Coating Density* C_d lbs/gal	
2	**30**	**3, 9**	**D**	**SB**	**3**	**S**	**12.1**	
Weight Percent of Volatile Material* W_{vm} %	Weight Percent of Water* W_w %	Weight Percent of Exempts* W_e %	Weight Percent of Solids* %	Volume Percent of Solids* %	Volume Percent of Water* V_w %	Volume Percent of Exempts* V_e %	VOC Actual* grams/liter	VOC Regulatory* (Less Water) grams/liter
30.1	**0.0**	**3.9**	**69.9**	**65.5**	**0.0**	**3.6**	**380**	**395**

If necessary, use these equations with the factors above to calculate VOC Actual and VOC Regulatory.

$$\text{VOC}_{\text{Actual (g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{100} x \frac{119.83\ g/l}{1\ lb/gal}$$

$$\text{VOC}_{\text{Regulatory (g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{(100 - V_w - V_e)} x \frac{119.83\ g/l}{1\ lb/gal}$$

$$\text{VOC}_{\text{Regulatory (Low Solids, g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{100} x \frac{119.83\ g/l}{1\ lb/gal}$$

How were VOC Actual and Regulatory determined?	❑ U.S. EPA Method 24	❑ Formulation Data

2013 California Sales in Gallons (Include sales to distributors)

Container Sizes One Quart or Less (gallons)	Container Sizes Larger Than One Quart (gallons)	Total Gallons (quart or less + > quart)
0	**55,000**	**55,000**

***** SWA – Report SWA "Sales Weighted Average" if grouping products.

Comments:

NOTE: All Product Information must have corresponding Ingredient Information.

Ingredient Information – Reporting Year 2013

Entry # from Product Information: **2**	Speciate Volatile Organic Compounds (VOCs) and Exempt Compounds

#	VOCs and Exempt Compounds	CAS #	BIN #[1]	wt %[2]
1	**Chemchem Naphtha (Light Aliphatic)**	**64742898**	**10**	**12.2**
2	**Chemchem Naphtha (Heavy)**	**64741657**	**8**	**9.1**
3	**1,1,1-Trichloroethane**	**71556**		**3.9**
4	**Xylene**	**1330207**		**1.9**
5	**Methyl Ethyl Ketone**	**78933**		**1.5**
6	**Isopropyl Alcohol**	**67630**		**1.0**

Aggregated VOCs < 0.1 wt %	**0.5**
Aggregated Exempt Compounds < 0.1 wt %	**0.0**
wt % Water	**0.0**
wt % Solids	**69.9**
Total of All Ingredients (Must Equal 100%)	**100.0**

Comments:

Resin and paraffin content must be reported for the following categories:
Concrete/Masonry Sealers
Floor Coatings
Waterproofing Concrete/Masonry Sealers

1. BIN #'s are only to be reported for hydrocarbon solvents (e.g., mineral spirits, Stoddard Solvent, VM&P Naphtha).

2. List VOCs and Exempt Compounds that individually amount to 0.1% or greater by weight of the final product. Enter the percent by weight to the nearest 0.1% for each ingredient in the final product.

NOTE: All Ingredient Information must have corresponding Product Information.

Product Information – Reporting Year 2013

Entry # :	3	Note: This entry # must also appear on your corresponding Ingredient Information.
Product Code:		**MX5000**
Product Name:		**IMCOAT**

Physical & Other Data

# of Products Grouped	Coating Category Code 1-43	Substrate Code(s) 0-18	Interior, Exterior, or Dual I, E, D	Vehicle Technology SB or WB	Resin Code(s) 1-19	Single or Multi-Component S or M	Coating Density* C_d lbs/gal	
3	**19**	**10**	**D**	**SB**	**7**	**M**	**11.1**	
Weight Percent of Volatile Material* W_{vm} %	Weight Percent of Water* W_w %	Weight Percent of Exempts* W_e %	Weight Percent of Solids* %	Volume Percent of Solids* %	Volume Percent of Water* V_w %	Volume Percent of Exempts* V_e %	VOC Actual* grams/liter	VOC Regulatory* (Less Water) grams/liter
30.1	**0.0**	**0.0**	**69.9**	**65.1**	**0.0**	**0.0**	**349**	**349**

If necessary, use these equations with the factors above to calculate VOC Actual and VOC Regulatory.

$$\text{VOC}_{\text{Actual (g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{100} x \frac{119.83\ g/l}{1\ lb/gal}$$

$$\text{VOC}_{\text{Regulatory (g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{(100 - V_w - V_e)} x \frac{119.83\ g/l}{1\ lb/gal}$$

$$\text{VOC}_{\text{Regulatory (Low Solids, g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{100} x \frac{119.83\ g/l}{1\ lb/gal}$$

How were VOC Actual and Regulatory determined?	❑ U.S. EPA Method 24	❑ Formulation Data

2013 California Sales in Gallons (Include sales to distributors)

Container Sizes One Quart or Less (gallons)	Container Sizes Larger Than One Quart (gallons)	Total Gallons (quart or less + > quart)
0	**2,300**	**2,300**

***** SWA – Report SWA "Sales Weighted Average" if grouping products.

Comments:

NOTE: All Product Information must have corresponding Ingredient Information.

Ingredient Information – Reporting Year 2013

Entry # from Product Information: **3**	Speciate Volatile Organic Compounds (VOCs) and Exempt Compounds

#	VOCs and Exempt Compounds	CAS #	BIN #[1]	wt %[2]
1	**Chemchem Aromatic 100**	**64742956**	**22**	**14.0**
2	**1,2,4-Trimethyl Benzene**	**95636**		**5.9**
3	**Methyl Ethyl Ketone**	**78933**		**3.5**
4	**4-Hydroxy-4-Methyl-2-Pentanone**	**123422**		**2.1**
5	**Ethyl Acetate**	**141786**		**2.0**
6	**n-Butyl Alcohol**	**71363**		**1.6**

Aggregated VOCs < 0.1 wt %	**1.0**
Aggregated Exempt Compounds < 0.1 wt %	**0.0**
wt % Water	**0.0**
wt % Solids	**69.9**
Total of All Ingredients (Must Equal 100%)	**100.0**

Comments:

Resin and paraffin content must be reported for the following categories:
Concrete/Masonry Sealers
Floor Coatings
Waterproofing Concrete/Masonry Sealers

1. BIN #'s are only to be reported for hydrocarbon solvents (e.g., mineral spirits, Stoddard Solvent, VM&P Naphtha).

2. List VOCs and Exempt Compounds that individually amount to 0.1% or greater by weight of the final product. Enter the percent by weight to the nearest 0.1% for each ingredient in the final product.

NOTE: All Ingredient Information must have corresponding Product Information.

Product Information – Reporting Year 2013

Entry # :	4	Note: This entry # must also appear on your corresponding Ingredient Information.
Product Code:	**LS1000**	
Product Name:	**LOSOLCOAT**	

Physical & Other Data

# of Products Grouped	Coating Category Code 1-43	Substrate Code(s) 0-18	Interior, Exterior, or Dual I, E, D	Vehicle Technology SB or WB	Resin Code(s) 1-19	Single or Multi-Component S or M	Coating Density* C_d lbs/gal	
1	**21**	**13**	**I**	**WB**	**15**	**S**	**8.3**	
Weight Percent of Volatile Material* W_{vm} %	Weight Percent of Water* W_w %	Weight Percent of Exempts* W_e %	Weight Percent of Solids* %	Volume Percent of Solids* %	Volume Percent of Water* V_w %	Volume Percent of Exempts* V_e %	VOC Actual* grams/liter	VOC Regulatory* (Less Water) grams/liter
92.0	**89.5**	**0.0**	**8.0**	**7.5**	**90.0**	**0.0**	**25**	**25**

If necessary, use these equations with the factors above to calculate VOC Actual and VOC Regulatory.

$$\text{VOC}_{\text{Actual (g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{100} x \frac{119.83\ g/l}{1\ lb/gal}$$

$$\text{VOC}_{\text{Regulatory (g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{(100 - V_w - V_e)} x \frac{119.83\ g/l}{1\ lb/gal}$$

$$\text{VOC}_{\text{Regulatory (Low Solids, g/l)}} = \frac{(W_{vm} - W_w - W_e)(C_d)}{100} x \frac{119.83\ g/l}{1\ lb/gal}$$

How were VOC Actual and Regulatory determined?	❑ U.S. EPA Method 24	❑ Formulation Data

2013 California Sales in Gallons (Include sales to distributors)

Container Sizes One Quart or Less (gallons)	Container Sizes Larger Than One Quart (gallons)	Total Gallons (quart or less + > quart)
200	**500**	**700**

***** SWA – Report SWA "Sales Weighted Average" if grouping products.

Comments:

NOTE: All Product Information must have corresponding Ingredient Information.

Ingredient Information – Reporting Year 2013

Entry # from Product Information: **4**	Speciate Volatile Organic Compounds (VOCs) and Exempt Compounds

#	VOCs and Exempt Compounds	CAS #	BIN #[1]	wt %[2]
1	**Ethylene Glycol Butyl Ether**	**11762**		**2.0**

Aggregated VOCs < 0.1 wt %	**0.5**
Aggregated Exempt Compounds < 0.1 wt %	**0.0**
wt % Water	**89.5**
wt % Solids	**8.0**
Total of All Ingredients (Must Equal 100%)	**100.0**

Comments:

Resin and paraffin content must be reported for the following categories:
Concrete/Masonry Sealers
Floor Coatings
Waterproofing Concrete/Masonry Sealers

1. BIN #'s are only to be reported for hydrocarbon solvents (e.g., mineral spirits, Stoddard Solvent, VM&P Naphtha).

2. List VOCs and Exempt Compounds that individually amount to 0.1% or greater by weight of the final product. Enter the percent by weight to the nearest 0.1% for each ingredient in the final product.

NOTE: All Ingredient Information must have corresponding Product Information.