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Division for Air Quality

300 Sower Boulevard

Frankfort, KY 40601

(502) 564-3999

DEP7007AI

Administrative Information

___ Section AI.1: Source Information

___ Section AI.2: Applicant Information

___ Section AI.3: Owner Information

___ Section AI.4: Type of Application

___ Section AI.5: Other Required Information

___ Section AI.6: Signature Block

___ Section AI.7: Notes, Comments, and Explanations

Additional Documentation

___ Additional Documentation attached

RECEIVED

OCT 29 2025

PERMIT REVIEW BRANCH
DIVISION FOR AIR QUALITY

Source Name: **Classic Metal Vaults**

KY EIS (AFS) #: **21- 125-00091**

Permit #: **F-21-050**

Agency Interest (AI) ID: **38878**

Date: **10/6/2025**

Section AI.1: Source Information

Physical Location Address:	**Street:**	386 Warren Chandler Dr				
	City:	Corbin	**County:**	Laurel	**Zip Code:**	40701
Mailing Address:	**Street or P.O. Box:**	PO Box 10				
	City:	Marshall	**State:**	IL.	**Zip Code:**	62441

Standard Coordinates for Source Physical Location

Longitude: 84-06-13 (decimal degrees) **Latitude:** 36-59-438 (decimal degrees)

Primary (NAICS) Category: _____ **Primary NAICS #:** _____

7AI

Classification (SIC) Category: _____ **Primary SIC #:** 3995

Briefly discuss the type of business conducted at this site: Burial Vault Manufactoring

Description of Area Surrounding Source: ☐ Rural Area ☐ Industrial Park ☐ Residential Area ☐ Urban Area ☑ Industrial Area ☐ Commercial Area

Is any part of the source located on federal land? ☐ Yes ☑ No

Number of Employees: 25

Approximate distance to nearest residence or commercial property: *.5 mile*

Property Area: 13.95 acres

Is this source portable? ☐ Yes ☑ No

What other environmental permits or registrations does this source currently hold or need to obtain in Kentucky?

NPDES/KPDES:	☐ Currently Hold	☐ Need	☑ N/A
Solid Waste:	☐ Currently Hold	☐ Need	☑ N/A
RCRA:	☐ Currently Hold	☐ Need	☑ N/A
UST:	☐ Currently Hold	☐ Need	☑ N/A

Type of Regulated Waste Activity:

☐ Mixed Waste Generator ☐ Generator ☐ Recycler ☐ Other: _____

☐ U.S. Importer of Hazardous Waste ☐ Transporter ☐ Treatment/Storage/Disposal Facility ☑ N/A

Section AI.2: Applicant Information

Applicant Name: Doric Products Inc.

Title: (if individual)

Mailing Address: **Street or P.O. Box:** PO Box 10

City: Marshall **State:** IL **Zip Code:** 62441

Email: (if individual)

Phone: 606 528-5644

Technical Contact

Name: Steve Profitt

Title: Manager

Mailing Address: **Street or P.O. Box:** 386 Warren Chandler Dr

City: Corbin **State:** KY **Zip Code:** 40701

Email: scp@doric-vaults.com

Phone: 606 528-5644

Air Permit Contact for Source

Name: same as above

Title:

Mailing Address: **Street or P.O. Box:**

City: **State:** **Zip Code:**

Email:

Phone:

Section AI.3: Owner Information

☑ **Owner same as applicant**

Name: _____

Title: _____

Mailing Address: **Street or P.O. Box:** _____

City: _____ **State:** _____ **Zip Code:** _____

Email: _____

Phone: _____

List names of owners and officers of the company who have an interest in the company of 5% or more.

Name	Position
see attached list	

Section AI.4: Type of Application

Current Status: ☐ Title V ☑ Conditional Major ☐ State-Origin ☐ General Permit ☐ Registration ☐ None

Requested Action: *(check all that apply)*

☐ Name Change ☐ Initial Registration ☐ Significant Revision ☐ Administrative Permit Amendment
☑ Renewal Permit ☐ Revised Registration ☐ Minor Revision ☐ Initial Source-wide OperatingPermit
☐ 502(b)(10)Change ☐ Extension Request ☐ Addition of New Facility ☐ Portable Plant Relocation Notice
☐ Revision ☐ Off Permit Change ☐ Landfill Alternate Compliance Submittal ☐ Modification of Existing Facilities
☐ Ownership Change ☐ Closure

Requested Status: ☐ Title V ☑ Conditional Major ☐ State-Origin ☐ PSD ☐ NSR ☐ Other: _____

Is the source requesting a limitation of potential emissions? ☐ Yes ☑ No

Pollutant:	Requested Limit:	Pollutant:	Requested Limit:
☐ Particulate Matter		☐ Single HAP	
☐ Volatile Organic Compounds (VOC)		☐ Combined HAPs	
☐ Carbon Monoxide		☐ Air Toxics (40 CFR 68. Subpart F)	
☐ Nitrogen Oxides		☐ Carbon Dioxide	
☐ Sulfur Dioxide		☐ Greenhouse Gases (GHG)	
☐ Lead		☐ Other	

For New Construction:

Proposed Start Date of Construction: *(MM/YYYY)* _____ **Proposed Operation Start-Up Date:** *(MM/YYYY)* _____

For Modifications:

Proposed Start Date of Modification: *(MM/YYYY)* _____ **Proposed Operation Start-Up Date:** *(MM/YYYY)* _____

Applicant is seeking coverage under a permit shield. ☐ Yes ☐ No **Identify any non-applicable requirements for which permit shield is sought on a separate attachment to the application.**

Section AI.5 Other Required Information

Indicate the documents attached as part of this application:

- ☐ DEP7007A Indirect Heat Exchangers and Turbines
- ☐ DEP7007B Manufacturing or Processing Operations
- ☐ DEP7007C Incinerators and Waste Burners
- ☐ DEP7007F Episode Standby Plan
- ☐ DEP7007J Volatile Liquid Storage
- ☐ DEP7007K Surface Coating or Printing Operations
- ☐ DEP7007L Mineral Processes
- ☐ DEP7007M Metal Cleaning Degreasers
- ☐ DEP7007N Source Emissions Profile
- ☐ DEP7007P Perchloroethylene Dry Cleaning Systems
- ☐ DEP7007R Emission Offset Credit
- ☐ DEP7007S Service Stations
- ☐ DEP7007T Metal Plating and Surface Treatment Operations
- ☐ DEP7007V Applicable Requirements and Compliance Activities
- ☐ DEP7007Y Good Engineering Practice and Stack Height Determination
- ☐ DEP7007AA Compliance Schedule for Non-complying Emission Units
- ☐ DEP7007BB Certified Progress Report
- ☑ DEP7007CC Compliance Certification
- ☐ DEP7007DD Insignificant Activities
- ☐ DEP7007EE Internal Combustion Engines
- ☐ DEP7007FF Secondary Aluminum Processing
- ☐ DEP7007GG Control Equipment
- ☐ DEP7007HH Haul Roads
- ☐ Confidentiality Claim
- ☐ Ownership Change Form
- ☐ Secretary of State Certificate
- ☐ Flowcharts or diagrams depicting process
- ☐ Digital Line Graphs (DLG) files of buldings, roads, etc.
- ☑ Site Map
- ☑ Map or drawing depicting location of facility
- ☑ Safety Data Sheet (SDS)
- ☐ Emergency Response Plan
- ☐ Other: _____

Section AI.6: Signature Block

I, the undersigned, hereby certify under penalty of law, that I am a responsible official*, and that I have personally examined, and am familiar with, the information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the information is on knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false or incomplete information, including the possibility of fine or imprisonment.

_____ _____

Authorized Signature **Date**

_____ _____

Type or Printed Name of Signatory **Title of Signatory**

*Responsible official as defined by 401 KAR 52:001.

Division for Air Quality

Submit to the Regional Office identified in your permit

DEP7007CC

Compliance Certification

____ Section CC.1: Source Information

____ Section CC.2: Signature Block

____ Section CC.3: Identification of Emission Units & Each Term or Condition of the Permit

____ Section CC.4: Notes, Comments, and Explanations

Section CC.1: Source Information

1) Source Name	2) Agency Interest (AI) ID
Classic Metal Vaults	38878

3) Source Location Address (street, city, state, zip)

386 Warren Chandler Dr Corbin, KY 40701

4) Technical Contact (name, e-mail, phone #)

Steve Profitt scp@doric-vaults.com 606 528-5644

5) Permit Number(s)	6) County	7) KY EIS (AFS) #
F-21-050	Laurel	21- 125-00091

8) Submittal Information

Are you certifying any requirement(s) as "not in continuous compliance?" ☐ Yes ☑ No

What is the reporting period? 01/ 01/ 24 **TO** 12 31 24
(mm/ dd/ yy) (mm/ dd/ yy)

Section CC.2: Signature Block

9) CERTIFICATION SIGNATURE

I, THE UNDERSIGNED, HEREBY CERTIFY UNDER PENALTY OF LAW, THAT I AM A RESPONSIBLE OFFICIAL, AND THAT I HAVE PERSONALLY EXAMINED, AND AM FAMILIAR WITH, THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ALL ITS ATTACHMENTS. BASED ON MY INQUIRY OF THOSE INDIVIDUALS WITH PRIMARY RESPONSIBILITY FOR OBTAINING THE INFORMATION, I CERTIFY THAT THE STATEMENTS AND INFORMATION IS ON KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE OR INCOMPLETE INFORMATION, INCLUDING THE POSSIBILITY OF FINE OR IMPRISONMENT.

BY: _____ 1-7-2025
AUTHORIZED SIGNATURE — DATE

STEVEN PROFFITT — S+R Manager
TYPED OR PRINTED NAME OF SIGNATORY — TITLE OF SIGNATORY

Section CC.3: Identification of Emission Units & Each Term or Condition of the Permit

Emission Units in Continuous Compliance

10a) Emission Units in Continuous Compliance. *The following emission units were in continuous compliance with each permit term or condition(s) and applicable requirements listed here, such as emission standards, emission control requirements, emission testing, court requirements, work practices, or enhanced monitoring, based on the compliance methods specified below. If additional space is required, reproduce this page as needed.*

Emission Unit/Permit ID#	Permit Term, Condition, or Applicable Regulation	Emission Unit Description	Permit Limit or requirement	Actual Emissions or status of requirement	The method used for determining compliance over the reporting period, and whether the method provided continuous or intermittent data. *(such as test methods, monitoring procedures, recordkeeping and reporting)*
"Source-Wide"	Permit F-21-050 Section D (2.)	"Source- Wide"	90 ton VOC 9 Ton single HAP or 22.5 ton of a combination per rolling 12 month	10.91 ton VOC .54 ton HAPS	Usage recorded daily and monthly. Calculated total usage of all VOC & HAPS. Method = Intermittent: Compliance = Continuous
01,02,03,04 B-1, B-2, B-3, B-4	1. Operating Limitation	Spray Booths	Dry filters in place at all times during operation & replaced when required	Control equipment in operation at all times when process is in operation & filters in place.	Control equipment is operated at all times process is in operation. Filters checked daily and replaced. Method = Intermittent : Compliance = Continuous
01,02,03,06 B-1, B-2, B-3, B-5	401 KAR 59:010 Section 3 (2)(a) ; Emission Limitation (a.)	Spray Booths	2.58 lb/hr PM	<2.58lb/hr PM	PM is considered in compliance when filters are in place. Method = Intermittent : Compliance = Continuous
01,02,03,06 B-1, B-2, B-3, B-6	401 KAR 59:010 Section 3 (1)(a) ; Emission Limitation (b.)	Spray Booths	40% opacity	No visable emissions observed	Weekly visable emissions observations of the stack. Method = Intermittent : Compliance = Continuous
01,02,03,07 B-1, B-2, B-3, B-7	401 KAR 59:010 Section 3 (1)(a) ; Emission Limitation (c.)	Ovens	20% opacity	No visable emissions observed	Weekly visable emissions observations of the stack. Method = Intermittent : Compliance = Continuous

Doric Products, Inc.
Stockholders

as of June 30, 2025

Class A Stockholders:

1. Atlas Concrete Products, Inc.
2. [redacted] Vault, Co.
3. Brewster Inc.
4. Central Burial Vaults
5. Concrete Vaults
6. Creter Vault Corp.
7. Crummitt & Son Vault Corp.
8. Hardy-Doric Vault Co.
9. Lake Shore Burial Vault Co., Inc.
10. McQuestion, Hubert J
11. Rex Vault & Mausoleum Service, Inc.
12. Simerly Concrete Products, Inc.
13. Southern Ohio Vault Co., Inc.
14. Superior Vault Company
15. Patti Vincent
16. Wayne Burial Vault Co. Inc.
17. Wicomico Vault Co.
18. Treasury Stock*

*Brewster, Inc. (754.513)
* Saline (144.367)
* Vincent (2,021.419)
* Superior Vault (171.172)

Class B Stockholders:

Series I:

1. McQuestion, Gretchen
2. McQuestion, Hubert J
3. McQuestion, Patricia
4. McQuestion, Andrew

Series II:

5. Bolander, Mark
6. Brewster, Myrtie E
7. Concrete Vaults, Inc.
8. Danielson, Donald & Lorrie L
9. Doody, David A
10. Foskey, Barbara
11. Foskey, Charles E
12. Vincent, Patti
13. Wiens, James R
14. Treasury Stock *

* Vincent (100)

Board of Directors

Jim Wiens	President
Mike Crummitt	Vice President
Hubert McQuestion	Vice President
David Priest	Secretary
Charles Foskey	
Joseph Brewster	
Adair Payment	
Robert Cooper	
Jeff Hardy	

336 Warren Chandler Dr. Corbin, KY 40701

PLAT OF LAND

LAUREL COUNTY, KENTUCKY

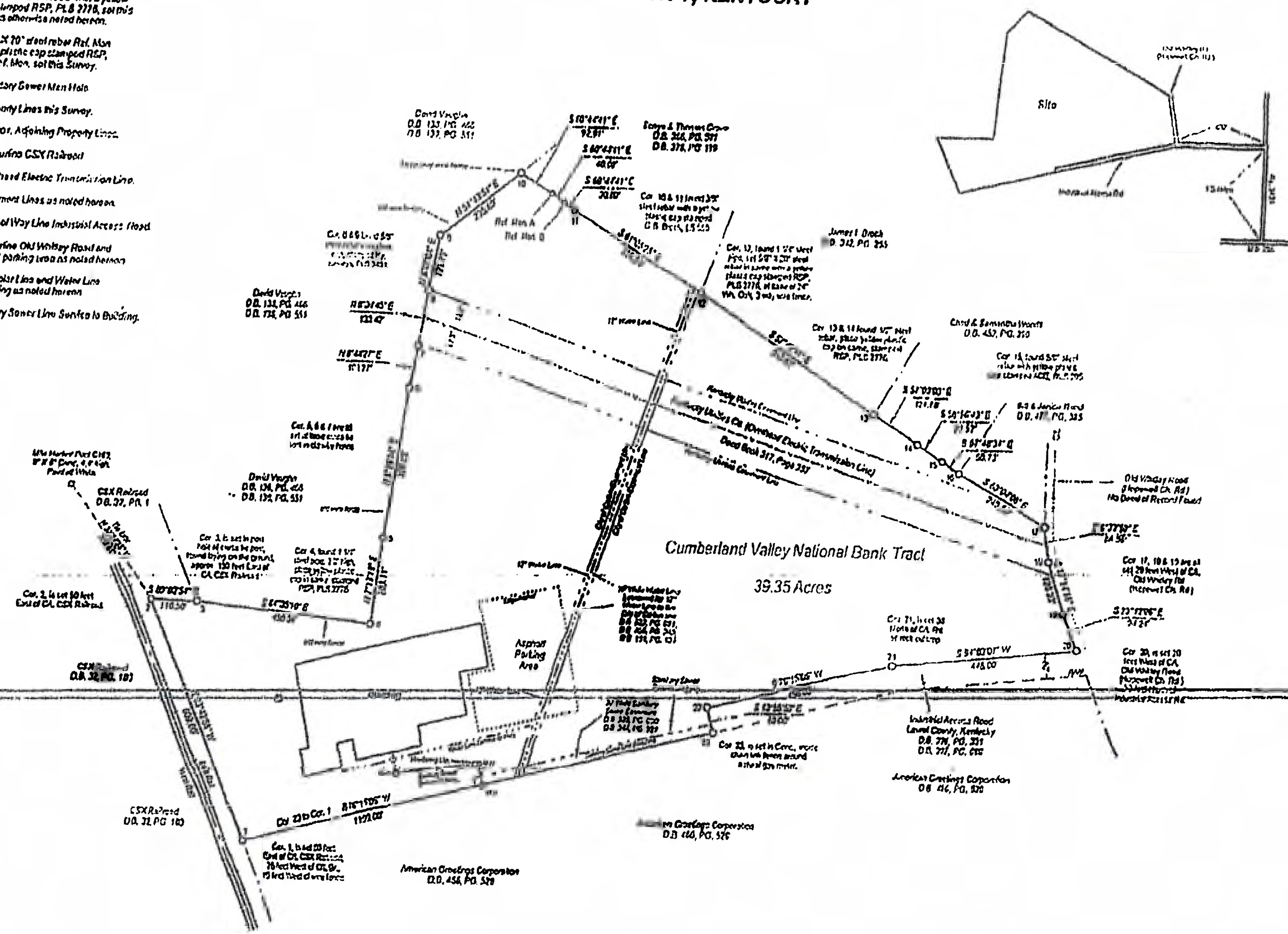
LEGEND

○	Denotes 5/8" X 20" steel rebar with a yellow plastic cap stamped RSP, PLS 2776, set this Survey unless otherwise noted hereon.
△	Denotes 5/8" X 20" steel rebar Ref. Mon with a yellow plastic cap stamped RSP, PLS 2776. Ref. Mon. set this Survey.
⊙	Denotes Sanitary Sewer Man Hole
———	Denotes Property Lines this Survey.
— · —	Denotes Approx. Adjoining Property Lines.
— —	Denotes Centerline CSX Railroad
— · · —	Denotes Overhead Electric Transmission Line.
— · —	Denotes Easement Lines as noted hereon.
— · · ·	Denotes Right of Way Line Industrial Access Road
········	Denotes Centerline Old Whitley Road and edge of asphalt parking area as noted hereon
· · — ·	Denotes 12" Water Line and Water Line service to Building as noted hereon
— · —	Denotes Sanitary Sewer Line Service to Building.

Vicinity Map

No Scale

Plat Scale: 1" = 200



Note: As of March 27, 2002 no encroachments or visible claims were found on the property shown hereon. All Easements and rights of ways which could be found of record were located by this Surveyor with the assistance of the Corbin City Utilities. Easement and right of way deeds were furnished by C.V.N.B.

N 36° 59.438

W 084° 06.130

PLAT OF SURVEY	
FOR:	C.V.N.B. & TRUST CO. P.O. BOX 700, MAIN ST. LONDON, KY. 40743 (606) 878-7010
LOCATION:	ON OLD WHITLEY RD. (HOPEWELL CHURCH RD.) AT ITS JCT. WITH INDUSTRIAL ACCESS RD., APPROX. 400 FEET WEST OF KY. ST. HWY. 3431, AND APPROX. 1.5 MILES NORTH OF THE JCT. OF KY. ST. HWY. 3431 AND U.S. HWY. 25E, LAUREL CO., KY.

Deed Ref.: The Tract of Land shown hereon is all of Tract 1 and all of Tract 2 of a Deed to C.V.N.B from Robinson Woodworking, Inc. et. al. dated June 26, 2000 and recorded in D.B. 522, PG. 21 in the Laurel County Court Clerk's Office in London, Kentucky.

Scale: 1" = 200'

200 0 200 400

STATE of KENTUCKY RALPH S. PETERS 2776 LICENSED PROFESSIONAL LAND SURVEYOR

CERTIFICATION

I HEREBY CERTIFY THAT THE SURVEY DEPICTED BY THIS PLAT WAS DONE BY US OR PERSONS UNDER MY DIRECT SUPERVISION BY THE METHOD OF RANDOM TRAVERSE WITH SIDESHOTS. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE IS 1 : 15,068 AND WAS NOT ADJUSTED. THE SURVEY AS SHOWN HEREON IS A CLASS A SURVEY AND THE ACCURACY AND PRECISION OF SAID SURVEY MEETS ALL THE SPECIFICATIONS OF THIS CLASS

Ralph S. Peters 3-27-2002

RALPH S. PETERS P.L.S. 2776 DATE

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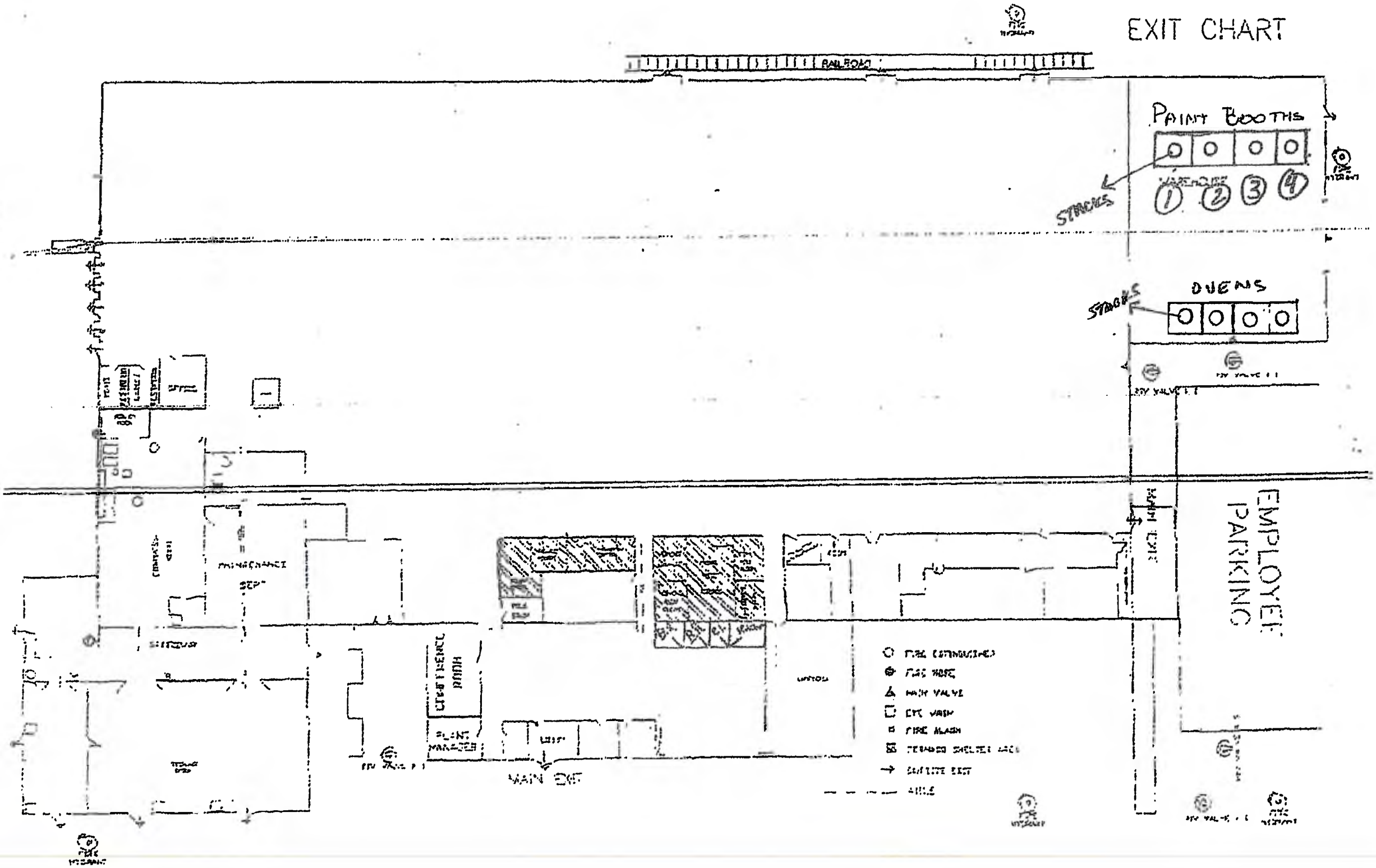
Peters Land Surveying
Ralph S. Peters
1497 Taylor Bridge Road
London, Kentucky 40744

SURVEY BY:	PETERS LAND SURVEYING 1497 TAYLOR BRIDGE RD. LONDON, KY. 40744 (606) 878-6834
SURVEY DATE:	MARCH 28, 2000
REVISED:	MARCH 21, 2002
PLAT:	R.S.P.
PLAT DATE:	MARCH 20, 2002
CHECKED:	JWJ

Doric Products Inc. / Classic Metal Vaults

386 Warren Chandler Dr. Corbin, KY 40701



Section AI.7: Notes, Comments, and Explanations
Operating conditions for emission points: 01(B-1), 02(B-2), 03(B-3) and 04(B-4) have remained unchanged from previous permitting requirements. See attached permit requirements.
Testing, monitoring and record keeping requirments have remained unchanged from previous permitting requirements. See attached permit requirements.

Permit Number: F-16-050

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emission Point **01(B-1)** **Spray Booth #1**

Description

MP1: Spray Gun

Spray operation system: 5 High Volume Low Pressure & 1 airless applicators	
Commenced date:	01/01/1972
The maximum capacity of the spray gun:	15.5 gallons/ hour
The estimated transfer efficiency of the system:	70%
The estimated dry filter control efficiency	90%

MP2: Clean Up

The maximum consumption of the material:	0.25 gallon /day

MP3: Natural Gas Drying Oven #1

Heat input capacity: 90,500 British thermal units per hour (Btu/hr)

Emission Point **02(B-2)** **Spray Booth #2**

Description

MP1: Spray Gun

Spray operation system: 3 High Volume Low Pressure & 1 airless applicators	
Commenced date:	01/01/1972
The maximum capacity of the spray gun:	15.5 gallons/ hour
The estimated transfer efficiency of the system:	70%
The estimated dry filter control efficiency	90%

MP2: Clean Up

The maximum consumption of the material:	0.25 gallon /day

MP3: Natural Gas Drying Oven #2

Heat input capacity:	90,500 Btu/hr

Emission Point **03(B-3)** **Spray Booth #3**

Description

MP1: Spray Gun

Spray operation system: 5 High Volume Low Pressure & 1 airless applicators	
Commenced Date:	01/01/1972
The maximum capacity of the spray gun:	15.5 gallons/ hour
The estimated transfer efficiency of the system:	70%
The estimated dry filter control efficiency	90%

MP2: Clean Up

The maximum consumption of the material:	0.25 gallon /day

MP3: Natural Gas Drying Oven #3

Heat input capacity:	90,500 Btu/hr

Permit Number: F-16-050

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emission Point **04(B-4)** **Spray Booth #4**

Description

MP1: Spray Gun

Spray operation system: 2 High Volume Low Pressure applicators

Commenced Date:	01/01/1972
The maximum capacity of the spray gun:	15.5 gallons/ hour
The estimated transfer efficiency of the system:	70%
The estimated dry filter control efficiency	90%

MP2: Clean Up

The maximum consumption of the material:	0.25 gallon /day

MP3: Natural Gas Drying Oven #4

Heat input capacity:	90,500 Btu/hr

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing Process Operations, is applicable to Spray Booth #1 ~ #4.

401 KAR 59:010, New process operations, is applicable to Oven #1 ~ #4.

STATE-ORIGIN REQUIREMENTS:

401 KAR 63:020, Potentially hazardous matter or toxic substances, is applicable to each affected facility which emits or may potentially emit hazardous matter or toxic substances.

1. **Operating Limitations:**
   The dry filters shall be in place at all times when the booths are operating and shall be changed as needed to comply with the emission limitations.

2. **Emission Limitations:**
   a. **Standard for Mass Emission (401 KAR 61:020 Section 3(2)(a)):**
   For emission from a spray booth stack, no person shall cause, suffer, allow or permit the emission in to the open air of particulate matter (PM) from any affected facility which in excess of 2.58 lb/hr.

   Compliance Demonstration Method:

   The source is considered to be in compliance when the filters are in place in the spray booths and properly maintained. Refer to Subsection **4. Monitoring Requirements**.

   b. **Opacity Standard for Spray Booth (401KAR 61:020 Section 3(1)(a)):**
   The permittee shall not cause, suffer, allow, or permit any continuous emission into the open air from a spray booth stack associated with any affected facility (s) which is equal to or greater than forty (40) percent opacity.

   Compliance Demonstration Method:

   See **4. Monitoring Requirements** for opacity compliance demonstration. For the emission units that are connected to the comment exhaust, the source shall comply with the most stringent opacity requirement for these emission units.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. **Emission Limitations (Continued):**
   c. **Opacity Standard for Oven (401KAR 59:010 Section 3(1)(a)):**
   The opacity of visible emissions from each oven stack and each stack which connects to the oven shall not equal or exceed 20 percent.

   Compliance Demonstration Method:

   See **4. Monitoring Requirements** for opacity compliance demonstration.

   d. See Section D for the source-wide VOC, single HAP and combined HAP emission limitations.

   e. Pursuant to 401 KAR 63:020, no owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants.

   Compliance Demonstration Method:

   The source is in compliance with 401 KAR 63:020 based on the rates of emissions of airborne toxics provided in the application submitted by the source. If the source alters processes, process rates, material formulations, or any other factor that would result in increased emissions of these previously evaluated airborne toxics, or the emission of airborne toxics not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to [401 KAR 52:030, Section 3(1)(a)].

3. **Testing Requirements:**
   Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, Section 2(2) and 50:045, Section 4.

4. **Specific Monitoring Requirements:**
   a. Compliance with the opacity standard shall be determined by the permittee performing a qualitative visual observation of the opacity of emissions at each stack no less than weekly and maintaining a log of the observations. If visible emissions from the stacks are seen (not including condensed water in the plume), then an inspection of process/control equipment shall be initiated and corrective action taken. If visible emissions are present after the corrective action, the process shall be shut down and shall not operate again until repairs have been made that result in no visible emissions from the process during operation. In lieu of shutting the process down, the permittee may determine the opacity using Reference Method 9. If the opacity limit is not exceeded, the process may continue to operate.

   b. The dry filters shall be visually inspected for solids build-up once a day during the operation of the spray booth.

   c. The twelve-month rolling total VOC, single HAP and combined HAP emissions shall be monitored monthly.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. **Specific Recordkeeping Requirements:**
   a. The permittee shall maintain a log of the visual opacity observations, records of corrective actions taken as a result of visible emissions from a stack and records of any Reference Method 9 readings performed.

   b. The permittee shall keep records of filter replacements and daily visual inspection of the booth filters when the units are operating.

   c. Monthly records shall be kept of all materials used containing VOC and HAP, including the product type, amount used and the weight percentages VOC and all individual HAPs.

   d. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

   e. At the end of each month, VOC, single HAP and combined HAP emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for VOC, single HAP and combined HAP emissions shall be calculated.

6. **Specific Reporting Requirements:**
   a. The permittee shall submit a copy of the control device inspection and repair log for those times when corrective actions are required due to an opacity exceedance and/or records of any Reference Method 9 opacity observations as noted in Section B (4) a. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section F (5) & (6).

   b. The permittee shall report the amount of each material applied, the amount of VOC and HAP's contained in the materials, and the source wide monthly and twelve (12) month rolling total VOC, single HAP and combined HAP emissions as part of the semiannual reporting as required in Section F (5) & (6).

Permit Number: F-16-050

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. Although these activities are designated as insignificant the permittee must comply with the applicable regulation. Process and emission control equipment at each insignificant activity subject to an opacity standard shall be inspected monthly and a qualitative visible emissions evaluation made. Results of the inspection, evaluation, and any corrective action shall be recorded in a log.

Description	Generally Applicable Regulation
1. Natural gas space heaters (Two heaters, 1 MMBtu/hr, each)	None
2. MIG welding machines (19 machine, 1.84 lbs/hr, each)	401 KAR 59:010

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. VOC and HAP emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

Annual VOC Limitations (401 KAR 52:030):

a. The permittee shall keep source wide emissions of VOC no greater than ninety (90) tons during any consecutive twelve (12) months period.

Compliance Demonstration Method:

$$\text{Monthly VOC Emissions} = \sum_{i=1}^{n} M_i \rho_i$$

Where;

- ρ = weight percent of VOC in each solvent containing material less water and/or exempt solvent used during the month, (lbs/lb).
- i = individual solvent containing material (i.e. coating and cleanup solvent, etc.)
- n = total number of solvent containing materials used
- M = pounds of solvent containing material "i " used

Source-wide VOC emissions = Σ [VOC emissions from spray coating operations] + Σ [VOC emissions from Insignificant Activities, if applicable]

Compliance with annual limit is based on a rolling twelve months total. Emissions shall be calculated on a monthly basis and shall be added to previous eleven months emissions to get a total of actual emissions for each consecutive twelve (12) month period.

Annual HAPS Limitations (401 KAR 52:030):

b. The permittee shall keep source wide emissions of single HAP no greater than 9 tons during any consecutive 12 month period.

Compliance Demonstration Method:

$$\text{Single } HAP_j \text{ emissions} = \sum_{i=1}^{n} M_i \rho_i$$

Where,

ρ = weight percent of HAP_j in material "i"

i = individual solvent containing material (thinner, cleaner, top coat...etc.)

n = total number of solvent containing material used containing single HAP_j

M = Pounds of solvent containing material "i" used

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

Source-wide HAP emissions = Σ [HAP emissions from coating processes] +Σ [HAP emissions from Insignificant Activities, if applicable]

Each month the HAPs emissions are added to the previous eleven (11) monthly totals to provide a total of actual emissions for each consecutive twelve (12) month period.

c. The permittee shall keep source wide emissions of combined HAPs no greater than 22.5 tons during any consecutive 12 month period.

Compliance Demonstration Method:

$$\text{Combined HAP emissions} = \sum_{j=1}^{m} HAP_j$$

Where,

j = individual HAP emission
m = total number of single HAP emissions

Each month the total HAPs emissions are added to the previous eleven (11) monthly totals to provide a total of actual emissions for each consecutive twelve (12) month period.

Permit Number: F-16-050

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SAFETY DATA SHEET

1. Product and Company Identification

Product Name : SW-COPPER METALLIC AD ENA

HMIS CODES: H F R P
2 3 0

Product Code : 1126-6965
Recommended Use: N/A

Company Identification:
Winslow-Browning, Inc.
PO Box 215
215 Brownsville Avenue
Liberty, IN 47353
Information Phone: (765) 458-5157
Emergency Phone: (800) 424-9300

2. Hazards Identification

Potential Health Effects

Eye:
EXPOSURE TO EYES MAY CAUSE PERMANENT DAMAGE

Skin:
OVEREXPOSURE MAY CAUSE DRYING AND CRACKING OF THE SKIN

Ingestion:
MAY LEAD TO HEADACHE, DIZZINESS, NAUSEA, VOMITING.

Inhalation:
OVEREXPOSURE MAY CAUSE RESPIRATORY TRACT IRRITATION, DIZZINESS, AND NAUSEA MAY OCCUR.

Chronic (Cancer) Information:
THIS MATERIAL IS LISTED AS A CARCINOGEN OR A POTENTIAL CARCINOGEN.

Teratology (Birth Defects) Information:
N/A

Reproduction Information:
N/A

Aggravation of Pre-Existing Conditions:
N/A

3. Composition/Information on Ingredients

Component	CAS#	MM HG	@TEMP	%	% by Wt.
# BUTYL ACETATE PEL 150 PPM	123-86-4	13.0	68F		29.98
# MINERAL SPIRITS TLV 400 PPM, 8 HOURS METHYLCYCLOHEXANE (ACGIH) TLV 212 PPM, 8 HOURS MINERAL SPIRITS 66/3 (ACGIH)	64742-47-8	.3	68F		12.7

4. First Aid Measures

Eyes:
Immediately flush eyes with plenty of water, occasionally lifting upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Skin:
Wash Contaminated skin with plenty of soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If rash or irritation occurs : Get medical advice/attention.

Ingestion:
If swallowed, seek medical advice/attention immediately. Rinse out mouth with water. Do not induce vomiting.

Inhalation:
If breathing is difficult, remove victim to fresh air and keep at rest in a position for comfortable breathing. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artifical respiration or oxygen by trained personnel. If exposed or concered get medical advive/attention

Note to Physicians:
N/A

5. Fire Fighting Measures

Flammable Properties:
Flash Point: 80.6 F Method: CC
Explosive Limits:
Lower explosive limit: .6
Upper explosive limit: 5.5

Autoignition Temperature:
N/A

Hazardous Combustion Products:
N/A

Extinguishing Media:
Use dry chemical, CO2, water spray or foam media to extinguish. DO NOT USE WATER JET

Firefighting Procedures:
Cool closed containers with water

6. Accidental Release Measures

Small Spill:
Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absord with an inert dry material and place in appropiatE disposal container. See Section 13 for waste disposal instructions.

Large Spill:
N/A

Environmental Precautions:
N/A

Methods/Materials for Containment and Cleaning Up:
N/A

7. Handling and Storage

Handling:
Use appropiate personal protective equipment. (See section 8) Do not eat, drink or smoke when using this product. Avoid breathing vapors or mist. Use only with adequate ventalation. Avoid contact with skin, eyes, and clothing. Use non-sparking tools and exposion proof electrical. Take precautions against electrostatic discharge. Do not reuse container.

Storage:
Store material in cool, dry, well ventalated secure area away form heat and all sources of ignition. Indoor storage should meet OSHA standard and local fire codes. Keep container sealed and upright when not in use. Store in original container or approved compatible alternative with proper labling.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
SEE SECTION 3 FOR EXPOSURE LIMIT VALUES

Engineering Controls:
N/A

Personal Protective Equipment

Respiratory Protection:
In case of mist, spray or aerosal exposure wear suitable personal respiratory protection. Respirator selction must be based on known or anticipated exposure levels. Use properly fitted,air-purifying or air-fed respirator complying with an approved certified standard when exposure requires.

Skin Protection:
Use gloves to prevent prolong skin contact. Wear suitable impervious protective clothing to prevent skin contact. Where there is a risk of inginition from static electricity, wear anti-static protective clothing.

Eye Protection:
Avoid all contact with eyes. Safety eyewear should be used to prevent product from coming into contact with eyes. Eyewear should protect from liquid splashes, spray and mist. Chemical safety goggles recommended.

9. Physical and Chemical Properties

Boiling Point: 260F

Melting Point: N/A
Freezing Point: -72.4 F

Flash Point: 80.6 F
Vapor Pressure:

Component	
# BUTYL ACETATE	13.0
# MINERAL SPIRITS	.3

Vapor Density: N/A

Coating V.O.C.

3.63 lb/gl

Material V.O.C.
3.6 lb/gl

Solubility in Water: INSOLUBLE
Evaporation Rate:

Flammability (solid, gas): N/A
Exposure:

Upper Exposure Limit: 212 PPM

Lower Exposure Limit: 150 PPM

Specific Gravity: 1.02

Odor: N/A
Odor Threshold: N/A
Appearance:: N/A
Viscosity: N/A
Partition Coefficient: N/A

Autoignition Temperature:

Decomposition Temperature:

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):
Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat or sources of ignition.

Incompatibility:
Keep away from oxidizing agents, strong acids, and strong alkalis.

Hazardous Decomposition Products:
NORMAL BYPRODUCTS SUCH AS CARBON DIOXIDE AND CARBON MONOXIDE.

Hazardous Polymerization:
Will not occur under normal conditions

11. Toxicological Information

Eye: There is no data available for the mixture itself
Skin: There is no data available for the mixture itself
Ingestion: There is no data available for the mixture itself
Inhalation: There is no data available for the mixture itself
Subchronic: There is no data available for the mixture itself
Chronic/Carcinogenicity: N/A
NTP: NO
IARC: NO
OSHA: NO
Teratology: THERE IS NO DATA AVAILABLE ON THE MIXTURE ITSELF.
Reproduction: There is no data available for the mixture itself

Mutagenicity: There is no data available for the mixture itself
Acute Toxicity: LD50 Dermal, D50 Oral, LC50 Inhalation Vapor
STOT-single exposure:Category 3
STOT-repeated exposure:Category 2
Routes of Exposure: Eye Contact, Skin Contact, Ingestion, and Inhalation.

12. Ecological Information

Environmental Fate: N/A
Environmental Toxicity: N/A
Chemical Fate Information: N/A
Other Adverse Effects: N/A

13. Disposal Considerations

Waste Disposal Method: Disposal of waste material in accordance with all Local, State, and ordinances. Waste should be disposed of via a licensed waste contractor. Do not allow to enter waterways, waste water, soil, storm drain, or sewer system. Empty Containers may retain some product residue. Do not cut, weld, or grind on used containers unless they have been cleaned thoroughly of all residue. Do not incinerate closed containers.

Contaminated Materials: N/A

14. Transport Information

Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO) Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG): N/A
UN Number:

UN Shipping Name: PAINT

Transport Hazard Class:

Packing Group:

Environmental Hazards: N/A
Marine Pollutant: N/A
Special Precautions for User: N/A

15. Regulatory Information

U.S. Federal Regulations: N/A
OSHA: N/A
CERCLA: SARA Hazard Category:
N/A

Section 313:
# Indicates toxic chemical(s) subject to the reporting requirements of section 311 and section 312.

International Regulations:
Canadian WHMIS: N/A
Canadian Environmental Protection Act (CEPA): N/A
EINECS: N/A
State Regulations: N/A

Volatile Organic Compounds: N/A

16. Other Information

Approved By: WINSLOW-BROWNING INC.
Prepared By: WINSLOW-BROWNING
Information Contact: N/A
Manufacturer Disclaimer:
Wherever such word or phrases as "hazardous", "toxic", "carcinogen", etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws, or the indirect sources for these laws such as the National Institute for Occupational Safety and Health ("NIOSH"), the National Toxicology Program, etc. The use of such words or phrases to be toxic, hazardous or otherwise harmful. ANY EXPOSURE, WITH EXCEPTION, CAN ONLY BE WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE'S CHARACTERISTICS AS DEFINED IN THE MSDS, AMOUNT AND DURATION OF EXPOSURES, OTHER CHEMICALS PRESENT, AND THE PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE.

The data provided is based on information received from our raw material suppliers and other sources believed to be reliable. THIS DATA DOES NOT CONSTITUTE A GUARANTEE (EXPRESS OR IMPLIED), WARRANTY (INCLUDING WARRANTY WITHOUT LIMITATION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) BY US WITH RESPECT TO SPECIFIC PURPOSE, EVEN IF THAT INJURY INCURRED DIRECTLY OR INDIRECTLY FROM THE USE OF THIS PRODUCT.

SAFETY DATA SHEET

Winslow-Browning, Inc.
SW-SILVER METALLIC AD ENA

Date Printed: 3/16/2021
Date Revised:

1. Product and Company Identification

Product Name : SW-SILVER METALLIC AD ENA

HMIS CODES: H F R P
2 3 0

Product Code : 1129-6760
Recommended Use: N/A

Company Identification:
Winslow-Browning, Inc.
PO Box 215
215 Brownsville Avenue
Liberty, IN 47353
Information Phone: (765) 458-5157
Emergency Phone: (800) 424-9300

2. Hazards Identification

Potential Health Effects

Eye:
EXPOSURE TO EYES MAY CAUSE PERMANENT DAMAGE

Skin:
OVEREXPOSURE MAY CAUSE DRYING AND CRACKING OF THE SKIN

Ingestion:
MAY LEAD TO HEADACHE, DIZZINESS, NAUSEA, VOMITING.

Inhalation:
OVEREXPOSURE MAY CAUSE RESPIRATORY TRACT IRRITATION, DIZZINESS, AND NAUSEA MAY OCCUR.

Chronic (Cancer) Information:
THIS MATERIAL IS LISTED AS A CARCINOGEN OR A POTENTIAL CARCINOGEN.

Teratology (Birth Defects) Information:
N/A

Reproduction Information:
N/A

Aggravation of Pre-Existing Conditions:
N/A

DANGER!

3. Composition/Information on Ingredients

Component	CAS#	MM HG	@TEMP	%	% by Wt.
# MINERAL SPIRITS	64742-47-8	.3	68F		30.2
TLV 400 PPM, 8 HOURS METHYLCYCLOHEXANE (ACGIH)					
TLV 212 PPM, 8 HOURS MINERAL SPIRITS 66/3 (ACGIH)					
# BUTYL ACETATE	123-86-4	13.0	68F		17.00
PEL 150 PPM					

4. First Aid Measures

Eyes:
Immediately flush eyes with plenty of water, occasionally lifting upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Skin:
Wash Contaminated skin with plenty of soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If rash or irritation occurs : Get medical advice/attention.

Ingestion:
If swallowed, seek medical advice/attention immediately. Rinse out mouth with water. Do not induce vomiting.

Inhalation:
If breathing is difficult, remove victim to fresh air and keep at rest in a position for comfortable breathing. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artifical respiration or oxygen by trained personnel. If exposed or concered get medical advive/attention

Note to Physicians:
N/A

5. Fire Fighting Measures

Flammable Properties:
Flash Point: 80.6 F Method: CC
Explosive Limits:
Lower explosive limit: .6
Upper explosive limit: 5.5

Autoignition Temperature:
N/A

Hazardous Combustion Products:
N/A

Extinguishing Media:
Use dry chemical, CO2, water spray or foam media to extinguish. DO NOT USE WATER JET

Firefighting Procedures:
Cool closed containers with water

6. Accidental Release Measures

Small Spill:
Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absord with an inert dry material and place in appropiatE disposal container. See Section 13 for waste disposal instructions.

Large Spill:
N/A

Environmental Precautions:
N/A

Methods/Materials for Containment and Cleaning Up:
N/A

7. Handling and Storage

Handling:
Use appropiate personal protective equipment. (See section 8) Do not eat, drink or smoke when using this product. Avoid breathing vapors or mist. Use only with adequate ventalation. Avoid contact with skin, eyes, and clothing. Use non-sparking tools and exposion proof electrical. Take precautions against electrostatic discharge. Do not reuse container.

Storage:
Store material in cool, dry, well ventalated secure area away form heat and all sources of ignition. Indoor storage should meet OSHA standard and local fire codes. Keep container sealed and upright when not in use. Store in original container or approved compatible alternative with proper labling.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
SEE SECTION 3 FOR EXPOSURE LIMIT VALUES

Engineering Controls:
N/A

Personal Protective Equipment

Respiratory Protection:
In case of mist, spray or aerosal exposure wear suitable personal respiratory protection. Respirator selction must be based on known or anticipated exposure levels. Use properly fitted,air-purifying or air-fed respirator complying with an approved certified standard when exposure requires.

Skin Protection:
Use gloves to prevent prolong skin contact. Wear suitable impervious protective clothing to prevent skin contact. Where there is a risk of inginition from static electricity, wear anti-static protective clothing.

Eye Protection:
Avoid all contact with eyes. Safety eyewear should be used to prevent product from coming into contact with eyes. Eyewear should protect from liquid splashes, spray and mist. Chemical safety goggles recommended.

9. Physical and Chemical Properties

Boiling Point: 260F

Melting Point: N/A
Freezing Point: -72.4 F

Flash Point: 80.6 F
Vapor Pressure:

Component	
# MINERAL SPIRITS	.3
# BUTYL ACETATE	13.0

Vapor Density: N/A

Coating V.O.C.

4.0 lb/gl

Material V.O.C.
4.0 lb/gl

Solubility in Water: INSOLUBLE
Evaporation Rate:

Flammability (solid, gas): N/A
Exposure:

Upper Exposure Limit: 212 PPM

Lower Exposure Limit: 150 PPM

Specific Gravity: .96

Odor: N/A
Odor Threshold: N/A
Appearance:: N/A
Viscosity: N/A
Partition Coefficient: N/A

Autoignition Temperature:

Decomposition Temperature:

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):
Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat or sources of ignition.

Incompatibility:
Keep away from oxidizing agents, strong acids, and strong alkalis.

Hazardous Decomposition Products:
NORMAL BYPRODUCTS SUCH AS CARBON DIOXIDE AND CARBON MONOXIDE.

Hazardous Polymerization:
Will not occur under normal conditions

11. Toxicological Information

Eye: There is no data available for the mixture itself
Skin: There is no data available for the mixture itself
Ingestion: There is no data available for the mixture itself
Inhalation: There is no data available for the mixture itself
Subchronic: There is no data available for the mixture itself
Chronic/Carcinogenicity: N/A
NTP: NO
IARC: NO
OSHA: NO
Teratology: THERE IS NO DATA AVAILABLE ON THE MIXTURE ITSELF.
Reproduction: There is no data available for the mixture itself

Mutagenicity: There is no data available for the mixture itself
Acute Toxicity: LD50 Dermal, D50 Oral, LC50 Inhalation Vapor
STOT-single exposure:Category 3
STOT-repeated exposure:Category 2
Routes of Exposure: Eye Contact, Skin Contact, Ingestion, and Inhalation.

12. Ecological Information

Environmental Fate: N/A
Environmental Toxicity: N/A
Chemical Fate Information: N/A
Other Adverse Effects: N/A

13. Disposal Considerations

Waste Disposal Method: Disposal of waste material in accordance with all Local, State, and ordinances. Waste should be disposed of via a licensed waste contractor. Do not allow to enter waterways, waste water, soil, storm drain, or sewer system. Empty Containers may retain some product residue. Do not cut, weld, or grind on used containers unless they have been cleaned thoroughly of all residue. Do not incinerate closed containers.

Contaminated Materials: N/A

14. Transport Information

Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO)
Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG): N/A
UN Number:

UN Shipping Name: PAINT

Transport Hazard Class:

Packing Group:

Environmental Hazards: N/A
Marine Pollutant: N/A
Special Precautions for User: N/A

15. Regulatory Information

U.S. Federal Regulations: N/A
OSHA: N/A
CERCLA: SARA Hazard Category:
N/A

Section 313:
# Indicates toxic chemical(s) subject to the reporting requirements of section 311 and section 312.

Internaticnal Regulations:
Canadian WHMIS: N/A
Canadian Environmental Protection Act (CEPA): N/A
EINECS: N/A
State Regulations: N/A

Volatile Organic Compounds: N/A

16. Other Information

Approved By: WINSLOW-BROWNING INC.
Prepared By: WINSLOW-BROWNING
Information Contact: N/A
Manufacturer Disclaimer:
Wherever such word or phrases as "hazardous", "toxic", "carcinogen", etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws, or the indirect sources for these laws such as the National Institute for Occupational Safety and Health ("NIOSH"), the National Toxicology Program, etc. The use of such words or phrases to be toxic, hazardous or otherwise harmful. ANY EXPOSURE, WITH EXCEPTION, CAN ONLY BE WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE'S CHARACTERISTICS AS DEFINED IN THE MSDS, AMOUNT AND DURATION OF EXPOSURES, OTHER CHEMICALS PRESENT, AND THE PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE.

The data provided is based on information received from our raw material suppliers and other sources believed to be reliable. THIS DATA DOES NOT CONSTITUTE A GUARANTEE (EXPRESS OR IMPLIED), WARRANTY (INCLUDING WARRANTY WITHOUT LIMITATION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) BY US WITH RESPECT TO SPECIFIC PURPOSE, EVEN IF THAT INJURY INCURRED DIRECTLY OR INDIRECTLY FROM THE USE OF THIS PRODUCT.

SAFETY DATA SHEET

Winslow-Browning, Inc.
WC-CLEAR PINE TREE WRINKLE

Date Printed: 3/16/2021
Date Revised:

1. Product and Company Identification

Product Name : WC-CLEAR PINE TREE WRINKLE

HMIS CODES: H F R P
2 3 0 C

Product Code : 3120-7891
Recommended Use: N/A

Company Identification:
Winslow-Browning, Inc.
PO Box 215
215 Brownsville Avenue
Liberty, IN 47353
Information Phone: (765) 458-5157
Emergency Phone: (800) 424-9300

2. Hazards Identification

Potential Health Effects

Eye:
EXPOSURE TO EYES MAY CAUSE PERMANENT DAMAGE

Skin:
OVEREXPOSURE MAY CAUSE DRYING AND CRACKING OF THE SKIN

Ingestion:
MAY LEAD TO HEADACHE, DIZZINESS, NAUSEA, VOMITING.

Inhalation:
OVEREXPOSURE MAY CAUSE RESPIRATORY TRACT IRRITATION, DIZZINESS, AND NAUSEA MAY OCCUR.

Chronic (Cancer) Information:
THIS MATERIAL IS LISTED AS A CARCINOGEN OR A POTENTIAL CARCINOGEN.

Teratology (Birth Defects) Information:
N/A

Reproduction Information:
N/A

Aggravation of Pre-Existing Conditions:
N/A

3. Composition/Information on Ingredients

Component	CAS#	MM HG	@TEMP	%	% by Wt.
#* M.E.K.	78-93-3	70.0	68F		16.23
PEL/TWA 200 PPM					
# tert-BUTYL ACETATE	540-88-5	42	68 F		7.8
TWA 200 PPM, TERT-BUTYL ACETATE					
TWA 100 PPM, TERT-BUTYL ALCOHOL					

# BUTYL ACETATE PEL 150 PPM	123-86-4	13.0	68F	5.39
# MPK PEL 200 PPM, METHYL PROPYL KETONE PEL 100 PPM, METHYL ISOBUTYL KETONE	107-87-8	27.8	68F	5.39

4. First Aid Measures

Eyes:
Immediately flush eyes with plenty of water, occasionally lifting upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Skin:
Wash Contaminated skin with plenty of soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse. If rash or irritation occurs : Get medical advice/attention.

Ingestion:
If swallowed, seek medical advice/attention immediately. Rinse out mouth with water. Do not induce vomiting.

Inhalation:
If breathing is difficult, remove victim to fresh air and keep at rest in a position for comfortable breathing. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artifical respiration or oxygen by trained personnel. If exposed or concered get medical advive/attention

Note to Physicians:
N/A

5. Fire Fighting Measures

Flammable Properties:
Flash Point: 21 F Method: TCC
Explosive Limits:
Lower explosive limit: 1.0
Upper explosive limit: 11

Autoignition Temperature:
N/A

Hazardous Combustion Products:
N/A

Extinguishing Media:
Use dry chemical, CO2, water spray or foam media to extinguish. DO NOT USE WATER JET

Firefighting Procedures:
Cool closed containers with water

6. Accidental Release Measures

Small Spill:
Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absord with an inert dry material and place in appropiatE disposal container. See Section 13 for waste disposal instructions.

Large Spill:
N/A

Environmental Precautions:

N/A

Methods/Materials for Containment and Cleaning Up:
N/A

7. Handling and Storage

Handling:
Use appropiate personal protective equipment. (See section 8) Do not eat, drink or smoke when using this product. Avoid breathing vapors or mist. Use only with adequate ventalation. Avoid contact with skin, eyes, and clothing. Use non-sparking tools and exposion proof electrical. Take precautions against electrostatic discharge. Do not reuse container.

Storage:
Store material in cool, dry, well ventalated secure area away form heat and all sources of ignition. Indoor storage should meet OSHA standard and local fire codes. Keep container sealed and upright when not in use. Store in original container or approved compatible alternative with proper labling.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
SEE SECTION 3 FOR EXPOSURE LIMIT VALUES

Engineering Controls:
N/A

Personal Protective Equipment

Respiratory Protection:
In case of mist, spray or aerosal exposure wear suitable personal respiratory protection. Respirator selction must be based on known or anticipated exposure levels. Use properly fitted,air-purifying or air-fed respirator complying with an approved certified standard when exposure requires.

Skin Protection:
Use gloves to prevent prolong skin contact. Wear suitable impervious protective clothing to prevent skin contact. Where there is a risk of inginition from static electricity, wear anti-static protective clothing.

Eye Protection:
Avoid all contact with eyes. Safety eyewear should be used to prevent product from coming into contact with eyes. Eyewear should protect from liquid splashes, spray and mist. Chemical safety goggles recommended.

9. Physical and Chemical Properties

Boiling Point: 175 F

Melting Point: N/A
Freezing Point: -73 F

Flash Point: 21 F
Vapor Pressure:

Component	
#* M.E.K.	70.0
# tert-BUTYL ACETATE	42

# BUTYL ACETATE	13.0
# MPK	27.8

Vapor Density: N/A

Coating V.O.C.
2.59 lb/gl

Material V.O.C.
2.35 lb/gl

Solubility in Water: INSOLUBLE
Evaporation Rate:

Flammability (solid, gas): N/A
Exposure:

Upper Exposure Limit: 200 PPM

Lower Exposure Limit: 100 PPM

Specific Gravity: 1.

Odor: N/A
Odor Threshold: N/A
Appearance:: N/A
Viscosity: N/A
Partition Coefficient: N/A

Autoignition Temperature:

Decomposition Temperature:

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):
Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat or sources of ignition.

Incompatibility:
Keep away from oxidizing agents, strong acids, and strong alkalis.

Hazardous Decomposition Products:
NORMAL BYPRODUCTS SUCH AS CARBON DIOXIDE AND CARBON MONOXIDE.

Hazardous Polymerization:
Will not occur under normal conditions

11. Toxicological Information

Eye: There is no data available for the mixture itself
Skin: There is no data available for the mixture itself
Ingestion: There is no data available for the mixture itself
Inhalation: There is no data available for the mixture itself
Subchronic: There is no data available for the mixture itself

Chronic/Carcinogenicity: N/A
NTP: NO
IARC: NO
OSHA: NO
Teratology: THERE IS NO DATA AVAILABLE ON THE MIXTURE ITSELF.
Reproduction: There is no data available for the mixture itself
Mutagenicity: There is no data available for the mixture itself
Acute Toxicity: LD50 Dermal, D50 Oral, LC50 Inhalation Vapor
STOT-single exposure:Category 3
STOT-repeated exposure:Category 2
Routes of Exposure: Eye Contact, Skin Contact, Ingestion, and Inhalation.

12. Ecological Information

Environmental Fate: N/A
Environmental Toxicity: N/A
Chemical Fate Information: N/A
Other Adverse Effects: N/A

13. Disposal Considerations

Waste Disposal Method: Disposal of waste material in accordance with all Local, State, and ordinances. Waste should be disposed of via a licensed waste contractor. Do not allow to enter waterways, waste water, soil, storm drain, or sewer system. Empty Containers may retain some product residue. Do not cut, weld, or grind on used containers unless they have been cleaned thoroughly of all residue. Do not incinerate closed containers.

Contaminated Materials: N/A

14. Transport Information

Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO)
Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG): N/A
UN Number:

UN Shipping Name: PAINT

Transport Hazard Class:

Packing Group:

Environmental Hazards: N/A
Marine Pollutant: N/A
Special Precautions for User: N/A

15. Regulatory Information

U.S. Federal Regulations: N/A
OSHA: N/A
CERCLA: SARA Hazard Category:
N/A
Section 313:

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372
\# Indicates toxic chemical(s) subject to the reporting requirements of section 311 and section 312.

International Regulations:
Canadian WHMIS: N/A
Canadian Environmental Protection Act (CEPA): N/A
EINECS: N/A
State Regulations: N/A
Volatile Organic Compounds: N/A

16. Other Information

Approved By: WINSLOW-BROWNING INC.
Prepared By: WINSLOW-BROWNING
Information Contact: N/A
Manufacturer Disclaimer:
Wherever such word or phrases as "hazardous", "toxic", "carcinogen", etc. appear herein, they are used as defined or described under state employee right-to-know laws, Federal OSHA laws, or the indirect sources for these laws such as the National Institute for Occupational Safety and Health ("NIOSH"), the National Toxicology Program, etc. The use of such words or phrases to be toxic, hazardous or otherwise harmful. ANY EXPOSURE, WITH EXCEPTION, CAN ONLY BE WHICH INCLUDES SUCH FACTORS AS THE SUBSTANCE'S CHARACTERISTICS AS DEFINED IN THE MSDS, AMOUNT AND DURATION OF EXPOSURES, OTHER CHEMICALS PRESENT, AND THE PREEXISTING INDIVIDUAL DIFFERENCES IN RESPONSE TO THE EXPOSURE.

The data provided is based on information received from our raw material suppliers and other sources believed to be reliable. THIS DATA DOES NOT CONSTITUTE A GUARANTEE (EXPRESS OR IMPLIED), WARRANTY (INCLUDING WARRANTY WITHOUT LIMITATION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) BY US WITH RESPECT TO SPECIFIC PURPOSE, EVEN IF THAT INJURY INCURRED DIRECTLY OR INDIRECTLY FROM THE USE OF THIS PRODUCT.

Columbia Paint Corp.

DATE ISSUED :	10/12/2018
MSDS REF. No :	S-31-00057

SAFETY DATA SHEET

19-357C 593 NBV CLASSIC GRAY VAULT LF/CF

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 19-357C 593 NBV CLASSIC GRAY VAULT LF/CF
PRODUCT CODE: S-31-00057
SYNONYMS: Paint
CAS NUMBER: Mixture
PRODUCT USE: Spray Applied Coating

MANUFACTURER
Columbia Paint Corp.
641 Jackson Avenue
P.O. Box 2888
Huntington, WV 25728
Phone: 304-529-3237
Fax: 304-525-2921

24 HR. EMERGENCY TELEPHONE NUMBER
CHEMTREC (US & Canada Transportation):
(800)424-9300
CHEMTREC (Global Transportation) :
1(703)741-5970 CCN 18482
For transportation emergency use only

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE	Gray liquid

GHS CLASSIFICATION

FLAMMABLE LIQUIDS:	**Category 2:** Highly flammable liquid and vapor.
SKIN IRRITATION:	**Category 2:** Causes skin irritation.
EYE IRRITATION:	**Category 2A:** Causes severe eye irritation.
REPRODUCTIVE TOXICITY:	**Category 2:**
STOT(S):	**Category 3:** Central Nervous and respiratory systems, liver, kidney, and central nervous system.
STOT(R) ASPIRATION HAZARD:	**Category 1:** May be fatal if swallowed and enters airways.

*CATEGORY 1 MOST SEVERE, CATEGORY 4 LEAST SEVERE

PICTOGRAMS

SIGNAL WORD: Danger

HAZARD STATEMENTS:

H225 Highly flammable liquid and vapor
H350 May cause cancer
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H304 May be fatal if swallowed and enters airways
H319 Causes serious eye irritation
H331 Toxic if inhaled
H373 May cause damage to organs through prolonged or repeated exposure.
H315+H320 Causes skin and eye irritation

PRECAUTIONARY STATEMENTS:

Prevention:
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces.-No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash ... thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection

Response:
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention
P330 Rinse mouth.
P331 Do NOT induce vomiting

P340+P312 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362 Take off contaminated clothing and wash before reuse
P370+P378 In case of fire: Evacuate area.
Storage:
P235 Keep cool
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:
P501 Dispose of contents/container in accordance with local, regional and national regulations. Do not landfill.

POTENTIAL HEALTH EFFECTS:

Primary Routes of Entry: Inhalation
Ingestion
Skin Contact
Eye Contact
Skin Absorption

Inhalation: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Inhalation may cause central nervous system effects.

Skin: May cause skin irritation.

Eyes: May irritate eyes.

Ingestion: Aspiration hazard if swallowed-can enter lungs and may be fatal.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Exposure: Prolonged skin contact may cause skin irritation and/or dermatitis.

Aggravated Medical Condition: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not a pure substance.

Chemical Name	Weight %	CAS Number
Resin solution (Alkyd polymer)	9.64	mixture
Xylene	0.64	1330-20-7
Stoddard Solvent	4.15	8052-41-3

Chemical Name	Weight %	CAS Number
Solvent naphtha(petroleum) light aliphatic	5.63	64742-89-8
Naphtha(petroleum) hydrotreated light	13.51	64742-49-0
Titanium Dioxide	5.13	13463-67-7
Ethylbenzene	0.13	100-41-4
Aluminium Hydroxide	0.27	21645-51-2
Solvent Naphtha(petroleum) medium aliphatic	2.49	64742-88-7
Aluminium Silicate	1.89	1332-58-7
Calcium Carbonate	30.18	1317-65-3
Solvent Naphtha(petroleum) Heavy Aromatic	0.77	64742-94-5
Magnesium Silicate	6.74	14807-96-6
Chlorite Minerals	1.02	1318-59-8
Chrystaline Silica	0.39	14808-80-7
Hydrocarbon Resin Solids	9.55	9011-11-4
Butyl Acetate	6.37	123-86-4
Carbon Black	0.78	1333-86-4
Distillates(petroleum) hydrotreated light	0.42	64742-47-8

4. FIRST AID MEASURES

IF INHALED:

Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Seek medical advice.

IN CASE OF SKIN CONTACT:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Wash clothing before reuse.
Seek medical advice.

IN CASE OF EYE CONTACT:

Remove contact lenses.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Obtain medical attention.

IF SWALLOWED:

Rinse mouth with water.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.

	Never give anything by mouth to an unconscious person. Seek medical advice.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	No Data

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Dry Chemical Carbon dioxide (CO2) Water Spray Water Fog
UNSUITABLE EXTINGUISHING MEDIA:	Do NOT use water jet.
SPECIFIC HAZARDS DURING FIRE FIGHTING:	Explosion Hazard- Cool closed containers exposed to fire with water spray.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon Oxides (CO, CO2) smoke and irritating vapors as products of incomplete combustion.
FURTHER INFORMATION:	Prevent fire extinguishing water from contaminating surface water of the ground water system.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	Wear self-contained breathing apparatus with all appropriate turnout gear and chemical resistant protective equipment. Smother to exclude air. Handle as an oil fire.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:	Apply non-combustible absorbent and collect for hazardous waste disposal. Use non-sparking tools.
LARGE SPILL:	Exclude persons not wearing protective equipment from area. Stop spill at source. Prevent product from spreading and from entering access ways to sewers or other water bodies. Transfer to salvage vessel if possible. Notify supervisors or proper authorities that a spill has occurred.
ENVIRONMENTAL PRECAUTIONS	
WATER SPILL:	If product contaminates rivers and lakes or drains inform respective authorities.

LAND SPILL: Do not landfill.

PERSONAL PRECAUTIONS: Use personal protective equipment.

METHOD OF CLEANING UP: Contain material and transfer to salvage container. Anything remaining, absorb and dispose as hazardous waste.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use personal protective equipment as required. Avoid contact with skin. Use only with adequate ventilation. Avoid breathing mists or vapors. Keep away from heat, sparks and flames.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Store in closed container and cool, well ventilated secure location.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

OSHA TABLE COMMENTS:

Chemical Name	CAS Number	Type	Exposure Limits	Source
MIXED XYLENES	1330-20-7	TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		TWA	100 ppm 435 mg/m3	OSHA Z-1
ETHYLBENZENE	100-41-4	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m3	NIOSH REL
		ST	125 ppm 545 mg/m3	NIOSH REL
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		TWA	100 ppm 435 mg/m3	OSHA PO
		STEL	125 ppm 545 mg/m3	OSHA PO
TITANIUM DIOXIDE	13463-67-7	STEL	20 mg/m3	
		TWA	10 mg/m3 (Total dust)	
SOLVENT NAPHTHA (PET) LIGHT ALIPHATIC	64742-89-8	TWA	400 ppm	ACGIH TLV
		TWA	500 ppm	OSHA PEL
N-BUTYL ACETATE	123-86-4	TWA	150 ppm	ACGIH TLV
		STEL	200 ppm	ACGIH TLV
		REL	150 ppm	NIOSH

Chemical Name	CAS Number	Type	Exposure Limits	Source
		STEL	200 ppm 950 mg/m3	NIOSH
		PEL	150 ppm 710 mg/m3	OSHA Z-1
		STEL	200 ppm 950 mg/m3	OSHA Z-1A
		TWA	150 ppm 710 mg/m3	OSHA Z-1A
DISTILLATES (PET) HYDROTREATED LIGHT	64742-47-8	TWA	400 PPM 1600 mg/m3	OSHA PO
CALCIUM CARBONATE	1317-65-3	TWA	15 mg/m3	OSHA PEL
		TWA	2 mg/m3	ACGIH
CRYSTALINE SILICA	14808-60-7	TWA	0.1 mg/m3 respirable dust	OSHA PEL
		TWA	.025 mg/m3 respirable fraction	ACGIH
		IDLH	25 mg/m3	ACGIH
		TWA	.05 mg/m3 respirable dust	NIOSH
ALUMINUM HYDROXIDE	21645-51-2	TWA	1 mg/m3	ACGIH TLV
CARBON BLACK	1333-86-4	TWA	3.5 mg/m3	OSHA PEL
		TWA	3.5 mg/m3	HCGIH TLV
ALUMINIUM SILICATE	1332-58-7	PEL	5 mg/m3 respirable fraction	OSHA
		PEL	15 mg/m3 total dust	OSHA
		TWA	10 mg/m3 total dust	OSHA
MAGNESIUM SILICATE HYDRATE	14807-96-6	TWA	2 mg/m3 respirable fraction	ACGIH
		TWA	2 mg/m3 respirable dust	OSHA
		TWA	2 mg/m3 respirable dust	NIOSH

ENGINEERING CONTROLS: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: If contact is likely, safety glasses with side shields are recommended.

SKIN: Chemical resistant gloves (BUNA N).

RESPIRATORY:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (section 2), an approved (NIOSH/MSHA) respirator must be worn. Respirator type: chemical cartridge; mist, organic vapor; may be appropriate up to 10X PEL. Consult your safety administrator. Respiratory protection should be used in compliance with OSHA standard 29 CFR 1910.134.
WORK HYGIENIC PRACTICES:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Gray
FLASH POINT AND METHOD:	54° F TCC (12.2° C)
AUTO-IGNITION TEMPERATURE:	No Data.
BOILING POINT:	No Data.
MELTING POINT:	NA
VAPOR PRESSURE:	No Data.
VAPOR DENSITY:	Heavier than air (>1)
% SOLUBILITY IN WATER:	Insoluble
POUR POINT:	NA
MOLECULAR FORMULA:	NA
ODOR:	Aliphatic
FLAMMABLE LIMITS:	No Data
SPECIFIC GRAVITY:	1.27
% VOLATILE:	31.89
EVAPORATION RATE:	No Data.
VISCOSITY:	20-35 sec. #2 Zahn Cup
OCTANOL/WATER PARTITION COEFFICIENT:	No Data.

PH:	NA
MOLECULAR WEIGHT:	Not Determined

10. STABILITY AND REACTIVITY

STABLE:	Under normal storage and use conditions.
HAZARDOUS POLYMERIZATION:	No hazardous polymerization under normal conditions of storage and use.
CONDITIONS TO AVOID:	Avoid contact with or exposure to strong oxidizing agents and acids and bases. Avoid possible ignition sources.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon, hydrocarbons, and titanium dioxide. Unburned hydrocarbons.

11. TOXICOLOGICAL INFORMATION

IRRITATION/CORROSION:

1330-20-7:	Irritating to the eyes and skin. Species: rabbit Exposure time: 24 h
64742-89-8: **64742-49-0:**	Irritating to the eyes and skin. Species: rabbit Exposure time: 4 h
95-63-6:	Mild eye irritation
1332-58-7:	Non-irritating to skin and slightly irritating to eyes.

SENSITIZATION:

1330-20-7:	No data reported
64742-89-8:	Did not cause sensitization
64742-49-0:	Buehler Test Guinea Pig

CARCINOGENICITY:

1330-20-7:	List no carcinogenic properties. Test method: Directive 67/548/EEC, Annex V, B.32. Mouse (M, F), Oral, 0,500, or 1000 mg/kg, 5 days/week for 103 weeks.
13463-67-7:	Suspected of causing cancer. IARC has classified TIO2 as 2B possibly carcinogenic to humans. However, the only evidence of carcinogenicity is in rats exposed to

	very high concentrations. Two major epidemiology studies among titanium dioxide workers in the US and in EUROPE could not demonstrate an elevated lung cancer risk.
64742-89-8: **64742-49-0:**	Possible human carcinogen.
100-41-4:	Classified as A3 proven for animals. Classified by IRAC group 2B carcinogen.
1333-86-4:	IARC has classified carbon black a possible human carcinogen based on annual inhalation studies.
14807-96-6:	Talk is reported to possibly cause cancer by inhalation.

REPRODUCTIVE EFFECTS:

1330-20-7:	Genotoxicity in vitro chromosome aberration test. Chinese hamster ovary-w/wo metabolic activation. Mammalian cytogenetic test result negative. Sister chromatid exchange assay in mammalian cells Chinese hamster ovary-w/wo metabolic activation result-negative. Genotoxicity in vivo dominant lethal assay-mouse subcutaneous 1.0 ml/kg 8 weeks OECD 478 results-negative.
64742-89-8:	No toxicity to reproduction.
64742-49-0:	No evidence of adverse effects on sexual function and fertility and on development. Based on annual studies.

STOT (Single Exposure)

1330-20-7:	Exposure route inhalation, target organ respiratory system, assessment cat 3 with respiratory irritation.
100-41-4:	No Data.
64742-89-8:	Inhalation- Central Nervous System
64742-49-0:	May cause drowsiness or dizziness. Classified category 3 with narcotic effect.

STOT (Repeat Exposure)

1330-20-7:	Exposure route, Target organ live, kidney, Central Nervous System, Assessment Cat 2 May cause organ damage through repeated exposure.
100-41-4:	No Data.

64742-89-8: Rat(M&F) NOAEL 1402

64742-49-0: Inhalation 6 hr/day 5 day/10k
322,1402,9869 mg/m3
Target organ: Kidney
Nasal and ocular discharge

TERATOGENIC EFFECTS: No teratogenic effects occurred at maternal toxicity dose levels.

DEVELOPMENTAL EFFECTS: No Data.

FERTILITY EFFECTS: No Data.

TARGET ORGANS:

1330-20-7: Respiratory system, Liver, Kidney, Central Nervous System.

ACUTE TOXICITY VALUES:

CAS Number	Entry	Type	Animal	Test Result	Test Method
1330-20-7	Oral	LD 50	Rat, M	3523 mg/kg	EU method B.1 GLP no
	Dermal	LD 50	Rabbit	1100 mg/kg	
	Inhalation	LC 50	Rat, M	6700 ppm/4 hr.	EEC, Annex V, B.2
64742-89-8	Oral	LD 50	Rat	>5000 mg/kg	OECD 402
64742-49-0	Dermal	LD 50	Rabbit	>2000 mg/kg	OECD 402
	Inhalation	LC 50	Rabbit	>20 mg/L	
123-86-4	Dermal	LC 50	Rat	>21.1 mg/L	
64742-94-5	Oral	LD 50	Rat	>5000 mg/kg	
	Inhalation	LC 50	Rat	>0.59 mg/L	4 Hours
	Dermal	LD 50	Rabbit	>2000 mg/kg	
91-20-3	Oral	LD 50	Rat	490 mg/kg	
	Inhalation	LC 50	Rat	141 ppm	4 hours
	Dermal	LD 50	Rabbit	>20,000 mg/kg	
95-63-6	Oral	LD 50	Rat	6000 mg/kg	
	Dermal	LD 50	Rat	2000 mg/kg	
	Inhalation	LC 50	Rat	10,200 mg/m3	#2 reliable with restriction
1317-65-3	Oral	LD 50	Rat	6450 mg/kg	
21645-51-2	Oral	LD 50	Rat	>5000 mg/kg	
7631-86-9	Oral	LD 50	Moose	>5000 mg/kg	

CAS Number	Entry	Type	Animal	Test Result	Test Method
	Oral	LD 50	Rat	>22,500 mg/kg	
1333-86-4	Oral	LD 50	Rat	>8000 mg/kg	
1332-58-7	Oral	LD 50	Rat	>5000 mg/kg	
	Oral	LD 50	Rat	>2000 mg/kg	OECD 401
	Dermal	LD 50	Rat	>5000 mg/kg	
	Inhalation	LC 50	Rat	36 mg/L 1 hr.	

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

TOXICITY TO FISH:

CAS Number	Type	Species	Concentration	Hours
1330-20-7	LC 50	Rainbow Trout	2.6 mg/	96
100-41-4	LC 50		32.0-97.1 mg/L	
64742-89-8 64742-49-0	LC 50	Rainbow Trout	8.2 mg/L Semi static	96
14807-96-6	LC 50	Brachydaniorerio (Zebra fish)	>100 g/L	
1332-58-7	LC 50	Ancorhynch-us(my kiss)	>100 mg/L	96 OECD 203
1333-86-4	LC 50	Zebra Fish	>1000 mg/L	96
123-86-4	LC 50	Blue Gill	100 mg/L	96

TOXICITY TO AQUATIC INVERTABRATES:

CAS Number	Type	Species	Concentration	Hours
1332-58-7	EC 50	Water Flea	>1 mg/L OECD	
91-20-3	EC 50	Water Flea	2.16 mg/L	48
	EC 50	Water Flea	1.96 mg/L	48
64742-49-0 64742-89-8	EC 50	Water Flea	4.5 mg/L	48

TOXICITY TO AQUATIC PLANTS:

CAS Number	Type	Species	Concentration	Hours
1332-58-7	EC 50	Green Algae	>100 mg/L	72 OECD 201

PERSISTANCE AND DEGRADABILITY:

CAS Number	Type	Species	Concentration	Hours
1333-86-4		Activated Sludge	800 mg/L	3
64742-49-0 64742-89-8	Aerobic	Activated Sludge	20 mg/L 74.3%	66(days)

BIOACCUMULATION:

1330-20-7: Mixed Xylenes Log Kow: 2.77-3.15

SOIL MOBILITY:

100-41-4: Absorbed moderately by soil but does not hydrolyze in water or soil.

13. DISPOSAL CONSIDERATIONS

Product - Dispose of in accordance with Local, Regional and National. Do NOT discharge into drains, surface waters, or ground water. It is the waste generator's responsibility to determine if a particular waste is Hazardous as defined by RECRA.

Packaging – Dispose of empty container in accordance with National, State, and local regulations.

Columbia Paint has no control over Management practices or manufacturing procedures of parties handling or using this material. Do not reuse containers for unauthorized purposes.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Paint, 3, UN 1263 PGII
TECHNICAL NAME: 593 NBV Classic Gray Vault Paint

15. REGULATORY INFORMATION

TSCA: All components of this product are TSCA listed.

OSHA HAZARDS:

Flammable liquids
Moderate skin irritant
Severe eye irritant
Moderate respiratory irritant
Germ cell mutagenicity
Carcinogenicity
Aspiration Hazard

CERCLA REPORTABLE QUANTITY:

Component	CAS #	Component RQ lbs.	Calculated Product RQ lbs.
Mixed xylene	1330-20-7	100	*
Ethyl Benzene	100-41-4	1000	*
N-Butyl Acetate	123-86-4	5000	*

*Calculated RQ exceeds reasonably attainable upper limit.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES:

None present

SARA 304: EMERGENCY RELEASE NOTIFICATION:

Component	Component RQ
Xylene	100

SARA 311/312:

Fire(x) Acute Health(x) Chronic Health(x) Reactive( )
Sudden release of pressure( )

SARA 311/312:

Component	Reporting Threshold Other Users	Reposting Threshold Manufacturing and Processing
Xylene	10,000	25,000
Ethylbenzene	10,000	25,000

SARA 313 TRI REPORTING:

Component	%
Xylene	0.64
Ethylbenzene	0.13

CLEAN AIR ACT: The following chemicals are listed as HAP under section 112.

Component	CAS Number	%
Xylene	1330-20-7	0.64
Ethylbenzene	100-41-4	0.13
Naphthalene	91-20-2	0.06

CLEAN AIR ACT SECTION 112: ACCIDENTAL RELEASE PREVENTION (CFR 68.130 SUB F)

No components.

CLEAN AIR ACT: SECTION III SOCMI INTERMEDIATE OR FINAL VOC (40 CFR 60.489)

Component	CAS Number	%
Mixed xylene	1330-20-7	0.64
Ethylbenzene	100-41-4	0.13

CLEAN WATER ACT: SECTION 307 (PRIORITY POLLUTANTS)

Component	CAS Number	%
Ethylbenzene	100-41-4	0.13

CLEAN WATER ACT: 311 TABLE 116.4A

Component	CAS Number	%
Mixed xylene	1330-20-7	0.64
Ethylbenzene	100-41-4	0.13
Naphthalene	91-20-3	.006

CLEAN WATER ACT: SECTION 311 TABLE 117.3

Component	CAS Number	%
Ethylbenzene	100-41-4	0.13

STATE REGULATIONS:

Component	New Jersey	Massachusetts	Pennsylvania	Rhode Island
Titanium Dioxide	X	X	X	
N-Butyl Acetate	X	X	X	X
Xylene	X	X	X	X
Ethylbenzene	X	X	X	
Solvent naphtha (pet) light aliphatic	X		X	
Carbon Black	x	x	x	

CALIFORNIA PROPOSITION 65:

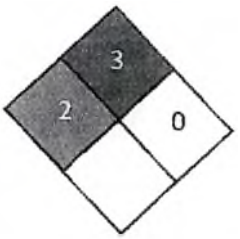
Known to the State of California to cause cancer:
13463-67-7 Titanium Dioxide
100-41-4 Ethyl Benzene

Known to the State of California to cause reproductive toxicity:
13463-67-7 Titanium Dioxide

16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	3
Physical Hazard :	0
Personal Protection :	

NFPA CODES



Hazard rating: 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Severe; *-Chronic

■ Flammability ■ Health
□ Instability □ Special Hazard

PREVIOUS ISSUE DATE: 5/23/2016

REVISION DATE: 10/12/2018

MANUFACTURER DISCLAIMER: The provided information pertains to this product as currently formulated, and is based on information made available to us at this time. Addition of reducers or additives to this product may substantially alter the composition and hazards of this product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Columbia Paint Corp.

DATE ISSUED :	9/26/2019
MSDS REF. No :	S-30-00004

SAFETY DATA SHEET

19-320E H.S. PINE TREE WRINKLE LF

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 19-320E H.S. PINE TREE WRINKLE LF
PRODUCT CODE: S-30-00004
SYNONYMS: Paint
CAS NUMBER: Mixture
PRODUCT USE: Spray Applied Coating

MANUFACTURER
Columbia Paint Corp.
641 Jackson Avenue
P.O. Box 2888
Huntington, WV 25728
Phone: 304-529-3237
Fax: 304-525-2921

24 HR. EMERGENCY TELEPHONE NUMBER
CHEMTREC (US & Canada Transportation):
(800)424-9300
CHEMTREC (Global Transportation) :
1(703)741-5970 CCN 18482
For transportation emergency use only

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE	Amber liquid

GHS CLASSIFICATION

FLAMMABLE LIQUIDS:	**Category 2:** Highly flammable liquid and vapor.
SKIN IRRITATION:	**Category 2:** Causes skin irritation.
EYE IRRITATION:	**Category 2A:** Causes severe eye irritation.
REPRODUCTIVE TOXICITY:	**Category 2:**
STOT(S):	**Category 3:** Central Nervous and respiratory systems, liver, kidney, and central nervous system.
STOT(R) ASPIRATION HAZARD:	**Category 1:** May be fatal if swallowed and enters airways.
CARCINOGENIC:	**Category 1B:** May cause cancer.
MUTAGENIC:	**Category 1B:** May cause genetic defects.

*CATEGORY 1 MOST SEVERE, CATEGORY 4 LEAST SEVERE

PICTOGRAMS

SIGNAL WORD: Danger

HAZARD STATEMENTS:

H225 Highly flammable liquid and vapor
H350 May cause cancer
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H304 May be fatal if swallowed and enters airways
H319 Causes serious eye irritation
H373 May cause damage to organs through prolonged or repeated exposure
H315+H320 Causes skin and eye irritation
H341 May cause genetic defects

PRECAUTIONARY STATEMENTS:

Prevention:
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces.-No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash ... thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection

Response:
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention
P330 Rinse mouth.
P331 Do NOT induce vomiting

P340+P312 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362 Take off contaminated clothing and wash before reuse
P370+P378 In case of fire: Evacuate area.
Storage:
P235 Keep cool
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:
P501 Dispose of contents/container in accordance with local, regional and national regulations. Do not landfill.

POTENTIAL HEALTH EFFECTS:

Primary Routes of Entry:

Inhalation
Ingestion
Skin Contact
Eye Contact
Skin Absorption

Inhalation:

Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Inhalation may cause central nervous system effects.

Skin:

May cause skin irritation.

Eyes:

May irritate eyes.

Ingestion:

Aspiration hazard if swallowed-can enter lungs and may be fatal.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Exposure:

Prolonged skin contact may cause skin irritation and/or dermatitis.

Aggravated Medical Condition:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not a pure substance.

Chemical Name	Weight %	CAS Number
Resin Solids(Alkyd polymer)	35.95	mixture
Octane	0.53	111-65-9
Xylene	0.80	1330-20-7
Heptane	0.53	742-82-5
Naphtha(petroleum) hydrotreated light	3.58	64742-89-8
Solvent naphtha(petroleum) light aliphatic		64742-49-0
Methyl Propyl Ketone	5.11	107-87-9
Tung Oil	5.06	8001-20-5
Ethlybenzene	0.11	100-41-4
Mesitylene	1.82	108-67-8
Solvent Naphtha(petroleum) Aromatic light	5.51	64742-95-6
1,2,4 Trimethylbenzene	3.89	95-63-6
Methyl Ethyl Ketone	12.61	78-93-3
N-Butyl Acetate	5.11	123-66-4
1,2,3 Trimethylbenzene	0.49	526-73-8

4. FIRST AID MEASURES

IF INHALED:

Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Seek medical advice.

IN CASE OF SKIN CONTACT:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Wash clothing before reuse.
Seek medical advice.

IN CASE OF EYE CONTACT:	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
IF SWALLOWED:	Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	No Data

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Dry Chemical Carbon dioxide (CO2) Water Spray Water Fog
UNSUITABLE EXTINGUISHING MEDIA:	Do NOT use water jet.
SPECIFIC HAZARDS DURING FIRE FIGHTING:	Explosion Hazard- Cool closed containers exposed to fire with water spray.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon Oxides (CO, CO2) smoke and irritating vapors as products of incomplete combustion.
FURTHER INFORMATION:	Prevent fire extinguishing water from contaminating surface water of the ground water system.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	Wear self-contained breathing apparatus with all appropriate turnout gear and chemical resistant protective equipment. Smother to exclude air. Handle as an oil fire.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:	Apply non-combustible absorbent and collect for hazardous waste disposal. Use non-sparking tools.
LARGE SPILL:	Exclude persons not wearing protective equipment from area. Stop spill at source. Prevent product from

spreading and from entering access ways to sewers or other water bodies. Transfer to salvage vessel if possible. Notify supervisors or proper authorities that a spill has occurred.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: If product contaminates rivers and lakes or drains inform respective authorities.

LAND SPILL: Do not landfill.

PERSONAL PRECAUTIONS: Use personal protective equipment.

METHOD OF CLEANING UP: Contain material and transfer to salvage container. Anything remaining, absorb and dispose as hazardous waste.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use personal protective equipment as required. Avoid contact with skin. Use only with adequate ventilation. Avoid breathing mists or vapors. Keep away from heat, sparks and flames.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Store in closed container and cool, well ventilated secure location.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

OSHA TABLE COMMENTS:

Chemical Name	CAS Number	Type	Exposure Limits	Source
Mixed Xylenes	1330-20-7	TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		STEL	150 ppm 650 mg/m3	OSHA Z-1
Ethylbenzene	100-41-4	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m3	NIOSH REL
		ST	125 ppm 545 mg/m3	NIOSH REL

Chemical Name	CAS Number	Type	Exposure Limits	Source
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		TWA	100 ppm 435 mg/m3	OSHA PO
		STEL	125 ppm 545 mg/m3	OSHA PO
Octane	111-65-9	TWA	300 ppm	ACGIH
		TWA	75 ppm 350 mg/m3	NIOSH REL
		C	385 ppm 1800 mg/m3	NIOSH REL
		TWA	500 ppm 2350 mg/m3	OSHA Z-1
		TWA	300 ppm 1450 mg/m3	OSHA PO
		STEL	375 ppm 1800 mg/m3	OSHA PO
Heptane	142-82-5	TWA	85 ppm 350 mg/m3	NIOSH REL
		C	440 ppm 1800 mg/m3	NIOSH REL
		TWA	500 ppm 2000 mg/m3	OSHA Z-1
		TWA	400 ppm 1600 mg/m3	OSHA PO
		STEL	500 ppm 2000 mg/m3	OSHA PO
		TWA	400 ppm	ACGIH
		STEL	500 ppm	ACGIH
N-Butyl Acetate	123-86-4		20 ppm	
			200 ppm 950 mg/m3	
			150 ppm 710 mg/m3	
Methyl Propyl Ketone	107-87-9		250 ppm	
			150 ppm	
			150 ppm	
Solvent Naphtha(petroleum) light Aliphatic	64742-89-8	TWA	500 ppm	OSHA PEL
1,2,4 Trimethyl Benzene	95-63-6	TWA	25 ppm 125 mg/m3	NIOSH REL

Chemical Name	CAS Number	Type	Exposure Limits	Source
		TWA	25 ppm	ACGIH TLV
		TWA	25 ppm 125 mg/m3	OSHA Z-1
		TWA	25 ppm 125 mg/m3	OSHA REL
Mesitylene	108-67-8	TWA	25 ppm 125 mg/m3	NIOSH REL
1,2,3 Trimethylbenzene	523-76-8	TWA	25 ppm 125 mg/m3	OSHA REL
Cumene	98-82-8	TWA	50 ppm	ACGIH TLV
		REL	50 ppm 245 mg/m3	NIOSH
		PEL	50 ppm 245 mg/m3	OSHA Z-1
		TWA	50 ppm 245 mg/m3	OSHA Z-1

ENGINEERING CONTROLS: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: If contact is likely, safety glasses with side shields are recommended.

SKIN: Chemical resistant gloves (BUNA N).

RESPIRATORY: If engineering controls do not maintain airborne concentrations below recommended exposure limits (section 2), an approved (NIOSH/MSHA) respirator must be worn. Respirator type: chemical cartridge; mist, organic vapor; may be appropriate up to 10X PEL. Consult your safety administrator. Respiratory protection should be used in compliance with OSHA standard 29 CFR 1910.134.

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Clear Amber
FLASH POINT AND METHOD:	<50°F TCC
AUTO-IGNITION TEMPERATURE:	No Data.
BOILING POINT:	No Data.
MELTING POINT:	NA
VAPOR PRESSURE:	No Data.
VAPOR DENSITY:	Heavier than air (>1)
% SOLUBILITY IN WATER:	Insoluble
POUR POINT:	NA
MOLECULAR FORMULA:	NA
ODOR:	Aliphatic
FLAMMABLE LIMITS:	No Data
SPECIFIC GRAVITY:	0.97
% VOLATILE:	39.26
EVAPORATION RATE:	No Data.
VISCOSITY:	Approximately 50 seconds #2 zahn cup
OCTANOL/WATER PARTITION COEFFICIENT:	No Data.
PH:	NA
MOLECULAR WEIGHT:	Not Determined

10. STABILITY AND REACTIVITY

STABLE:	Under normal storage and use conditions.
HAZARDOUS POLYMERIZATION:	No hazardous polymerization under normal conditions of storage and use.

ACUTE TOXICITY VALUES:

CAS Number	Entry	Type	Animal	Test Result	Test Method
1330-20-7	Oral	LD 50	Rat, M	3523 mg/kg	EU method B.1 GLP no
	Dermal	LD 50	Rabbit	1100 mg/kg	
	Inhalation	LC 50	Rat, M	6700 ppm/4 hr	EEC, Annex V, B.2
64742-89-8	Oral	LD 50	Rat	>5000 mg/kg	OECD 402
64742-49-0	Dermal	LD 50	Rabbit	>2000 mg/kg	OECD 402
	Inhalation	LC 50	Rabbit	>20 mg/L	
100-41-4	Oral	LD 50	Rat	3500 mg/m3	
	Dermal	LD 50	Rabbit	17,800 mg/m3	
	Inhalation	LC 50	ATE	11 mg/m3	
64742-95-6	Oral	LD 50	Rat	8400 mg/kg	
95-63-6	Oral	LD 50	Rat	5000 mg/kg	
	Inhalation	LC 50	Rat	18 mg/L 4 hours	
108-67-8	Oral	LD 50	Rat	5000 mg/kg	
	Inhalation	LC 50	Rat	24 mg/L 4 hours	
98-82-8	Oral	LD 50	Rat	1400 mg/kg	
		LD 50	Rat	2260 mg/kg	
	Inhalation	LC 50	Rat	8000 ppm 4 hours	
	Dermal	LD 50	Rabbit	10,647 mg/kg	
142-82-5	Dermal	LD 50	Rabbit	3000 mg/kg	

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

TOXICITY TO FISH:

CAS Number	Type	Species	Concentration	Hours
1330-20-7	LC 50	Rainbow Trout	2.6 mg/	96
100-41-4	LC 50		32.0-97.1 mg/L	
64742-89-8 64742-49-0	LC 50 LC 50	Rainbow Trout	8.2 mg/L Semi static	96

TOXICITY TO AQUATIC INVERTEBRATES:

CAS Number	Type	Species	Concentration	Hours
64742-89-8 64742-49-0		Water Flea	4.5 mg/kg	48

TOXICITY TO DAPHNIA:

CAS Number	Type	Species	Concentration	Hours
64742-89-8 64742-49-0	EC 50	Algae	3.7 mg/L	96(static)
1330-20-7	EC 50	Water Flea	1 mg/L	24

PERSISTANCE AND DEGRADABILITY: No data.

BIOACCUMULATION:

1330-20-7: Mixed Xylenes Log Kow: 2.77-3.15

SOIL MOBILITY:

100-41-4: Absorbed moderately by soil but does not hydrolyze in water or soil.

13. DISPOSAL CONSIDERATIONS

Product - Dispose of in accordance with Local, Regional and National. Do NOT discharge into drains, surface waters, or ground water. It is the waste generator's responsibility to determine if a particular waste is Hazardous as defined by RECRA.

Packaging – Dispose of empty container in accordance with National, State, and local regulations.

Columbia Paint has no control over Management practices or manufacturing procedures of parties handling or using this material. Do not reuse containers for unauthorized purposes.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Paint, 3, UN 1263 PGII
TECHNICAL NAME: 19-320E H.S. Pine Tree Wrinkle LF

15. REGULATORY INFORMATIO

TSCA: All components of this product are TSCA listed.

OSHA HAZARDS:

Flammable liquids
Moderate skin irritant
Severe eye irritant
Moderate respiratory irritant
Germ cell mutagenicity
Carcinogenicity
Aspiration Hazard

CERCLA REPORTABLE QUANTITY:

Component	CAS #	Component RQ lbs.	Calculated Product RQ lbs.
Mixed xylene	1330-20-7	100	910
Benzene	71-43-2	10	*
Toluene	108-88-3	1000	*
Ethyl Benzene	100-41-4	1000	*

*Calculated RQ exceeds reasonably attainable upper limit.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES:

None present

SARA 304: EMERGENCY RELEASE NOTIFICATION:

Component	Component RQ
Xylene	100

SARA 311/312: Fire(x) Acute Health(x) Chronic Health(x) Reactive( )
Sudden release of pressure( )

SARA 313 TRI REPORTING:

Component	Reporting Threshold Other Users	Reposting Threshold Manufacturing and Processing
Xylene	10,000	25,000
Ethylbenzene	10,000	25,000
Methyl Amyl Ketone	10,000	25,000

CLEAN AIR ACT: The following chemicals are listed as HAP under section 112.

Component	CAS Number	%
Xylene	1330-20-7	0.80
Ethylbenzene	100-41-4	0.11
Toluene	108-88-3	0.02
Benzene	100-41-4	0.002

CLEAN AIR ACT SECTION 112: ACCIDENTAL RELEASE PREVENTION (CFR 68.130 SUB F)

No components.

CLEAN AIR ACT: SECTION III SOCMI INTERMEDIATE OR FINAL VOC (40 CFR 60.489)

Component	CAS Number	%
Mixed xylene	1330-20-7	0.77
Ethylbenzene	100-41-4	0.17
Toluene	108-88-3	0.02
Benzene	71-43-2	0.002

CLEAN WATER ACT: SECTION 307 (PRIORITY POLLUTANTS)

Component	CAS Number	%
Ethylbenzene	100-41-4	0.17

CLEAN WATER ACT: 311 TABLE 116.4A

Component	CAS Number	%
Mixed xylene	1330-20-7	0.77
Ethylbenzene	100-41-4	0.17
Toluene	108-88-3	0.02
Benzene	71-43-2	0.002

CLEAN WATER ACT: SECTION 311 TABLE 117.3

Component	CAS Number	Reportable Quantity lbs.
Mixed xylene	1330-20-7	100
Ethylbenzene	100-41-4	1000
Toluene	108-88-3	1000
Naphthalene	91-20-3	100
Benzene	71-43-2	5000

STATE REGULATIONS:

Component	New Jersey	Massachusetts	Pennsylvania	Rhode Island
Cumene	X	X	X	
Toluene	X	X	X	
Xylene	X	X	X	X
Ethylbenzene	X	X	X	
Benzene	X	X	X	
Solvent naphtha (petroleum) light aliphatic	X		X	
Octane	x	x	x	
Heptane	x	x	x	

This product contains chemicals known to the state of California to cause cancer:

98-82-8: Cumene
100-41-4: Ethylbenzene
71-43-2: Benzene
108-10-1: Methyl Amyl Ketone

This product contains chemicals known to the state of California to cause birth defects:

108-88-3: Toluene
71-43-2: Benzene

This product contains chemicals known to the state of California to cause developmental toxicity:

108-10-1: Methyl Amyl Ketone

16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	3
Physical Hazard :	0
Personal Protection :	

NFPA CODES

Hazard rating: 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Severe; *-Chronic

Flammability Health
Instability Special Hazard

ISSUE DATE: 4/07/2016

REVISION DATE: 7/20/2018

MANUFACTURER DISCLAIMER: The provided information pertains to this product as currently formulated, and is based on information made available to us at this time. Addition of reducers or additives to this product may substantially alter the composition and hazards of this product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Columbia Paint Corp.

DATE ISSUED:	7/23/2018
MSDS REF. No:	S-31-00071

SAFETY DATA SHEET

20-294A 593V BLACK LF

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 20-294A 593V BLACK LF
PRODUCT CODE: S-31-00071
SYNONYMS: Paint
CAS NUMBER: Mixture
PRODUCT USE: Spray Applied Coating

MANUFACTURER
Columbia Paint Corp.
641 Jackson Avenue
P.O. Box 2888
Huntington, WV 25728
Phone: 304-529-3237
Fax: 304-525-2921

24 HR. EMERGENCY TELEPHONE NUMBER
CHEMTREC (US & Canada Transportation):
(800)424-9300
CHEMTREC (Global Transportation):
1(703)741-5970 CCN 18482
For transportation emergency use only

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE	Black liquid

GHS CLASSIFICATION

FLAMMABLE LIQUIDS:	**Category 2:** Highly flammable liquid and vapor.
SKIN IRRITATION:	**Category 2:** Causes skin irritation.
EYE IRRITATION:	**Category 2A:** Causes severe eye irritation.
REPRODUCTIVE TOXICITY:	**Category 2:**
STOT(S):	**Category 3:** Central Nervous and respiratory systems, liver, kidney
STOT(R) ASPIRATION HAZARD:	**Category 1:** May be fatal if swallowed and enters airways.

*CATEGORY 1 MOST SEVERE, CATEGORY 4 LEAST SEVERE

PICTOGRAMS

SIGNAL WORD:
Danger

HAZARD STATEMENTS:

H225 Highly flammable liquid and vapor
H350 May cause cancer
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H304 May be fatal if swallowed and enters airways
H319 Causes serious eye irritation
H331 Toxic if inhaled
H373 May cause damage to organs through prolonged or repeated exposure.
H315+H320 Causes skin and eye irritation

PRECAUTIONARY STATEMENTS:

Prevention:
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash ... thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection

Response:
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention
P330 Rinse mouth.
P331 Do NOT induce vomiting
P340+P312 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P362 Take off contaminated clothing and wash before reuse
P370+P378 In case of fire: Evacuate area.
Storage:
P235 Keep cool
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:
P501 Dispose of contents/container in accordance with local, regional and national regulations. Do not landfill.

POTENTIAL HEALTH EFFECTS:

Primary Routes of Entry:
Inhalation
Ingestion
Skin Contact
Eye Contact
Skin Absorption

Inhalation:
Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Inhalation may cause central nervous system effects.

Skin:
May cause skin irritation.

Eyes:
May irritate eyes.

Ingestion:
Aspiration hazard if swallowed-can enter lungs and may be fatal.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Exposure:
Prolonged skin contact may cause skin irritation and/or dermatitis.

Aggravated Medical Condition:
None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not a pure substance.

Chemical Name	Weight %	CAS Number
Resin solution (Alkyd polymer)	19.65	mixture
Xylene	0.79	1330-20-7
Naphtha(petroleum) hydrotreated light	14.90	64742-89-8
Solvent naphtha (petroleum) light aliphatic	13.53	64742-49-0

Chemical Name	Weight %	CAS Number
Naphthalene	0.11	91-20-3
ETHYLBENZENE	0.16	100-41-4
1,2,4 Trimethylbenzene	0.02	95-63-6
Solvent Naphtha(petroleum) medium aliphatic	2.03	64742-88-7
Calcium Carbonate	15.00	1317-65-3
Solvent Naphtha(petroleum) Heavy Aromatic	0.99	64742-94-5
Crystalline Silica	0.11	14808-80-7
Hydrocarbon Resin Solids	20.29	9011-11-4
Carbon Black	1.88	1333-86-4
Distillates(petroleum) hydrotreated light	4.77	64742-47-8

4. FIRST AID MEASURES

IF INHALED:

Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Seek medical advice.

IN CASE OF SKIN CONTACT:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Wash clothing before reuse.
Seek medical advice.

IN CASE OF EYE CONTACT:

Remove contact lenses.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Obtain medical attention.

IF SWALLOWED:

Rinse mouth with water.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Never give anything by mouth to an unconscious person.
Seek medical advice.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

No Data

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:
Dry Chemical
Carbon dioxide (CO2)
Water Spray
Water Fog

UNSUITABLE EXTINGUISHING MEDIA:
Do NOT use water jet.

SPECIFIC HAZARDS DURING FIRE FIGHTING:
Explosion Hazard- Cool closed containers exposed to fire with water spray.

HAZARDOUS COMBUSTION PRODUCTS:
Carbon Oxides (CO, CO2) smoke and irritating vapors as products of incomplete combustion.

FURTHER INFORMATION:
Prevent fire extinguishing water from contaminating surface water of the ground water system.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:
Wear self-contained breathing apparatus with all appropriate turnout gear and chemical resistant protective equipment. Smother to exclude air. Handle as an oil fire.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:
Apply non-combustible absorbent and collect for hazardous waste disposal. Use non-sparking tools.

LARGE SPILL:
Exclude persons not wearing protective equipment from area. Stop spill at source. Prevent product from spreading and from entering access ways to sewers or other water bodies. Transfer to salvage vessel if possible. Notify supervisors or proper authorities that a spill has occurred.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL:
If product contaminates rivers and lakes or drains inform respective authorities.

LAND SPILL:
Do not landfill.

PERSONAL PRECAUTIONS:
Use personal protective equipment.

METHOD OF CLEANING UP:
Contain material and transfer to salvage container. Anything remaining, absorb and dispose as hazardous waste.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Use personal protective equipment as required. Avoid contact with skin. Use only with adequate ventilation. Avoid breathing mists or vapors. Keep away from heat, sparks and flames.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Store in closed container and cool, well ventilated secure location.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

OSHA TABLE COMMENTS:

Chemical Name	CAS Number	Type	Exposure Limits	Source
MIXED XYLENES	1330-20-7	TWA	100 ppm	ACGIH
		STEL	150 ppm 651 mg/m3	ACGIH
		TWA	100 ppm 435 mg/m3	OSHA Z-1
ETHYLBENZENE	100-41-4	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m3	NIOSH REL
		ST	125 ppm 545 mg/m3	NIOSH REL
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		TWA	100 ppm 435 mg/m3	OSHA PO
		STEL	125 ppm 545 mg/m3	OSHA PO
SOLVENT NAPHTHA(PETROLEUM) LIGHT ALIPHATIC	64742-89-8	TWA	400 ppm	ACGIH TLV
		TWA	500 ppm	OSHA PEL
DISTILLATES (Pet) HYDROTREATED LIGHT	64742-47-8	TLV	212 ppm 1200 mg/m3	ACGIH TLV
SOLVENT NAPHTHA (Pet) MEDIUM ALIPHATIC	64742-88-7	TWA	500 ppm 2000 mg/m3	OSHA Z-1
		TWA	200 mg/m3	ACGIH
		TWA	400 ppm 1600 mg/m3	OSHA PO
NAPHTHALENE	91-20-3	TWA	10 PPM	ACGIH TLV
		STEL	15 PPM	ACGIH TLV
		REL	10 PPM, 50 mg/m3	NIOSH
		STEL	15 PPM, 75 mg/m3	NIOSH
		STEL	10 PPM, 50 mg/m3	OSHA Z-1

Chemical Name	CAS Number	Type	Exposure Limits	Source
		TWA	10 PPM, 50 mg/m3	OSA Z-1A
		STEL	15 PPM, 75 mg/m3	OSHA Z-1A
1,2,4 TRIMETHYLBENZENE	95-63-6	TWA	25 PPM 125 mg/m3	NIOSH REL
		TWA	125 mg/m3	OSHA Z-1A
		TWA	25 PPM	OSHA Z-1A
		REL	25 PPM	NIOSH
		REL	125 mg/m3	NIOSH
CALCIUM CARBONATE	1317-65-3	TWA	15 mg/m3	OSHA PEL
		TWA	2 mg/m3	ACGIH
CRYSTALINE SILICA	14808-60-7	TWA	0.1 mg/m3 respirable dust	OSHA PEL
		TWA	.025 mg/m3 respirable fraction	ACGIH
		IDLH	25 mg/m3	ACGIH
		TWA	.05 mg/m3 respirable dust	NIOSH
CARBON BLACK	1333-86-4	TWA	3.5 mg/m3	OSHA PEL
		TWA	3.5 mg/m3	HCGIH TLV
NAPHTHA (Pet) HYDROTREATED LIGHT	64742-49-0	TWA	400 ppm 1500 mg/m3	ACGIH
SOLVENT NAPHTHA (Pet) HEAVY AROMATIC	64742-94-5	TWA	400 ppm 1600 mg/m3	OSHA
		TWA	200 mg/m3	ACGIH

ENGINEERING CONTROLS: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: If contact is likely, safety glasses with side shields are recommended.

SKIN: Chemical resistant gloves (BUNA N).

RESPIRATORY: If engineering controls do not maintain airborne concentrations below recommended exposure limits (section 2), an approved (NIOSH/MSHA) respirator must be worn. Respirator type: chemical cartridge; mist, organic vapor; may be appropriate up to 10X PEL. Consult your safety administrator. Respiratory

	protection should be used in compliance with OSHA standard 29 CFR 1910.134.
WORK HYGIENIC PRACTICES:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Black
FLASH POINT AND METHOD:	54° F TCC (12.2° C)
AUTO-IGNITION TEMPERATURE:	No Data.
BOILING POINT:	No Data.
MELTING POINT:	NA
VAPOR PRESSURE:	No Data.
VAPOR DENSITY:	Heavier than air (>1)
% SOLUBILITY IN WATER:	Insoluble
POUR POINT:	NA
MOLECULAR FORMULA:	NA
ODOR:	Aliphatic
FLAMMABLE LIMITS:	No Data
SPECIFIC GRAVITY:	1.02
% VOLATILE:	40.21
EVAPORATION RATE:	No Data.
VISCOSITY:	20-35 sec. #2 Zahn Cup
OCTANOL/WATER PARTITION COEFFICIENT:	No Data.
PH:	NA
MOLECULAR WEIGHT:	Not Determined

10. STABILITY AND REACTIVITY

STABLE:	Under normal storage and use conditions.
HAZARDOUS POLYMERIZATION:	No hazardous polymerization under normal conditions of storage and use.
CONDITIONS TO AVOID:	Avoid contact with or exposure to strong oxidizing agents and acids and bases. Avoid possible ignition sources.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon, hydrocarbons, and titanium dioxide. Unburned hydrocarbons.

11. TOXICOLOGICAL INFORMATION

IRRITATION/CORROSION:

1330-20-7:	Irritating to the eyes and skin. Species: rabbit Exposure time: 24 h
64742-89-8 and/or 64742-49-0:	Irritating to the eyes and skin. Species: rabbit Exposure time: 4 h
95-63-6:	Mild eye irritation

SENSITIZATION:

1330-20-7:	No data reported
64742-89-8 and/or 64742-49-0:	Did not cause sensitization Buehler Test Guinea Pig

CARCINOGENICITY:

1330-20-7:	List no carcinogenic properties. Test method: Directive 67/548/EEC, Annex V, B.32. Mouse (M, F), Oral, 0,500, or 1000 mg/kg, 5 days/week for 103 weeks.
64742-89-8 and/or 64742-49-0:	Possible human carcinogen.
100-41-4:	Classified as A3 proven for animals. Classified by IRAC group 2B carcinogen.
1333-86-4:	IARC has classified carbon black a possible human carcinogen based on annual inhalation studies.

REPRODUCTIVE EFFECTS:

1330-20-7:	Genotoxicity in vitro chromosome aberration test. Chinese hamster ovary-w/wo metabolic activation. Mammalian cytogenetic test result negative. Sister chromatid exchange assay in mammalian cells Chinese hamster ovary-w/wo metabolic activation result-negative. Genotoxicity in vivo dominant lethal assay-mouse subcutaneous 1.0 ml/kg 8 weeks OECD 478 results-negative.
64742-89-8 and/or 64742-49-0:	No toxicity to reproduction. No evidence of adverse effects on sexual function and fertility and on development. Based on annual studies.

STOT (Single Exposure)

1330-20-7:	Exposure route inhalation, target organ respiratory system, assessment cat 3 with respiratory irritation.
100-41-4:	No Data.
64742-89-8 and/or 64742-49-0:	Inhalation- Central Nervous System May cause drowsiness or dizziness. Classified category 3 with narcotic effect.

STOT (Repeat Exposure)

1330-20-7:	Exposure route, Target organ live, kidney, Central Nervous System, Assessment Cat 2 May cause organ damage through repeated exposure.
100-41-4:	No Data.
64742-89-8 and/or 64742-49-0:	Rat(M&F) NOAEL 1402 Inhalation 6 hr/day 5 day/10k 322,1402,9869 mg/m3 Target organ: Kidney Nasal and ocular discharge

TERATOGENIC EFFECTS:	No teratogenic effects occurred at maternal toxicity dose levels.
DEVELOPMENTAL EFFECTS:	No Data.
FERTILITY EFFECTS:	No Data.

TARGET ORGANS:

1330-20-7:	Respiratory system, Liver, Kidney, Central Nervous System.

ACUTE TOXICITY VALUES:

CAS Number	Entry	Type	Animal	Test Result	Test Method
1330-20-7	Oral	LD 50 LD 50	Rat, M Mouse	3523 mg/kg 2119 mg/kg	EU method B.1 GLP no
		LD 50	Mouse	2119 mg/kg	
	Dermal	LD 50	Rabbit	1100 mg/kg	
	Inhalation	LC 50	Rat, M	6700 ppm/4 hr	EEC, Annex V, B.2
64742-89-8	Oral	LD 50	Rat	>5000 mg/kg	OECD 402
64742-49-0	Dermal	LD 50	Rabbit	>2000 mg/kg	OECD 402
	Inhalation	LC 50	Rabbit	>20 mg/L	
64742-94-5	Oral	LD 50	Rat	>5000 mg/kg	
	Inhalation	LC 50	Rat	>0.59 mg/L	4 Hours
	Dermal	LD 50	Rabbit	>2000 mg/kg	
91-20-3	Oral	LD 50	Rat	490 mg/kg	
	Inhalation	LC 50	Rat	141 ppm	4 hours
	Dermal	LD 50	Rabbit	>20,000 mg/kg	
95-63-6	Oral	LD 50	Rat	6000 mg/kg	
	Dermal	LD 50	Rat	2000 mg/kg	
	Inhalation	LC 50	Rat	10,200 mg/m3	#2 reliable with restriction
1317-65-3	Oral	LD 50	Rat	6450 mg/kg	
1333-86-4	Oral	LD 50	Rat	>8000 mg/kg	
64742-88-7	Oral	LD 50	Rat	>6500 mg/kg	
	Dermal	LD 50	Rabbit	>3000 mg/kg	
	Inhalation	LC 50	Rat	>14 mg/L	4 Hours

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

BIOACCUMULATION:

1330-20-7:	Mixed Xylenes	Log Kow: 2.77-3.15

SOIL MOBILITY:

100-41-4:	Absorbed moderately by soil but does not hydrolyze in water or soil.

13. DISPOSAL CONSIDERATIONS

Product - Dispose of in accordance with Local, Regional and National. Do NOT discharge into drains, surface waters, or ground water. It is the waste generator's responsibility to determine if a particular waste is Hazardous as defined by RECRA.

Packaging – Dispose of empty container in accordance with National, State, and local regulations.

Columbia Paint has no control over Management practices or manufacturing procedures of parties handling or using this material. Do not reuse containers for unauthorized purposes.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME:	Paint, 3, UN 1263 PGII
TECHNICAL NAME:	593V Black LF

15. REGULATORY INFORMATION

TSCA: All components of this product are TSCA listed.

OSHA HAZARDS:

Flammable liquids
Moderate skin irritant
Severe eye irritant
Moderate respiratory irritant
Germ cell mutagenicity
Carcinogenicity
Aspiration Hazard

CERCLA REPORTABLE QUANTITY:

Component	CAS #	Component RQ lbs.	Calculated Product RQ lbs.
Mixed xylene	1330-20-7	100	910
Benzene	71-43-2	10	*
Toluene	108-88-3	1000	*
Ethyl Benzene	100-41-4	1000	*

*Calculated RQ exceeds reasonably attainable upper limit.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES:

None present

SARA 304: EMERGENCY RELEASE NOTIFICATION:

Component	Component RQ
Xylene	100

SARA 311/312: Fire(x) Acute Health(x) Chronic Health(x) Reactive( )
Sudden release of pressure( )

SARA 311/312:

Component	Reporting Threshold Other Users	Reposting Threshold Manufacturing and Processing
Xylene	10,000	25,000
Ethylbenzene	10,000	25,000

SARA 313 TRI REPORTING:

Component	Reporting Threshold Other Users	Reposting Threshold Manufacturing and Processing
Xylene	10,000	25,000
Ethylbenzene	10,000	25,000

CLEAN AIR ACT: The following chemicals are listed as HAP under section 112.

Component	CAS Number	%
Xylene	1330-20-7	2.85
Ethylbenzene	100-41-4	.92
Toluene	108-88-3	.08
Benzene	100-41-4	.005
Cumene	98-82-8	.02
Naphthalene	91-20-2	.005

CLEAN AIR ACT SECTION 112: ACCIDENTAL RELEASE PREVENTION (CFR 68.130 SUB F)

No components.

CLEAN AIR ACT: SECTION III SOCMI INTERMEDIATE OR FINAL VOC (40 CFR 60.489)

Component	CAS Number	%
Mixed xylene	1330-20-7	1.45
Ethylbenzene	100-41-4	0.20
Toluene	108-88-3	.05
Benzene	71-43-2	.005

CLEAN WATER ACT: SECTION 307 (PRIORITY POLLUTANTS)

Component	CAS Number	%
Ethylbenzene	100-41-4	0.20

CLEAN WATER ACT: 311 TABLE 116.4A

Component	CAS Number	%
Mixed xylene	1330-20-7	1.45
Ethylbenzene	100-41-4	0.20
Toluene	108-88-3	.05
Benzene	71-43-2	.005
Naphthalene	91-20-3	.005

CLEAN WATER ACT: SECTION 311 TABLE 117.3

Component	CAS Number	Reportable Quantity lbs.
Ethylbenzene	100-41-4	0.0013
Toluene	108-88-3	<0.0001

SARA 313 TRI REPORTING:

Component	CAS Number	Reportable Quantity lbs.
Mixed xylene	1330-20-7	100
Ethylbenzene	100-41-4	1000
Toluene	108-88-3	1000
Naphthalene	91-20-3	100
Benzene	71-43-2	5000

STATE REGULATIONS:

Component	New Jersey	Massachusetts	Pennsylvania	Rhode Island
Silicon Dioxide	X	X	X	
Toluene	X	X	x	
Xylene	X	X	x	X
Ethylbenzene	X	X	X	
Benzene	X	X	X	
Solvent naphtha(petroleum) light aliphatic	X		X	
Carbon Black	x	x	x	
Cumene	X	X	X	
No name	X	X	X	

CALIFORNIA PROPOSITION 65:

Known to the State of California to cause cancer:

98-82-8 Cumene

100-41-4 Ethyl Benzene

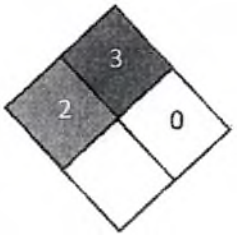
Known to the State of California to cause reproductive toxicity:

108-88-3 Toluene

16. OTHER INFORMATION

HMIS RATING	
Health:	2
Flammability:	3
Physical Hazard:	0
Personal Protection:	

NFPA CODES



Hazard rating: 0-Minimal; 1-Slight; 2-Moderate; 3-Serious; 4-Severe; *-Chronic

■ Flammability ■ Health

□ Instability □ Special Hazard

PREVIOUS ISSUE DATE: 4/17/2017

REVISION DATE: 7/23/2018

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