

OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502 - 360-539-7610 – Fax 360-491-6308

FORM 1- NOTICE OF CONSTRUCTION

TO CONSTRUCT - INSTALL - ESTABLISH OR MODIFY AN AIR CONTAMINANT SOURCE

Form 1 Instructions:

1. Please complete all the fields below. **This NOC application is considered incomplete until signed.**
2. If the application contains any confidential business information, please complete a Request of Confidentiality of Records (www.orcaa.org).
3. Duty to Correction Application: An applicant has the duty to supplement or correct an application. Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application must, upon becoming aware of such failure or incorrect submittal, promptly submit supplementary factors or corrected information.

Business Name: Crown Cork & Seal	For ORCAA use only File No: <i>152</i> County No: <i>67</i> Source No: <i>B</i> Application No: <i>23NOC1621</i>
Mailing Address: 1202 Fones Rd SE Olympia, WA 98501	Date Received: <div style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;"> Received OCT 20 2023 ORCAA </div>
Physical Address of Project or New Source: 1202 Fones Rd SE Olympia, WA 98501	
Billing Address: 1202 Fones Rd SE Olympia, WA 98501	
Project or Equipment to be installed/established: Existing Matte varnish, 9201811, has been reformulated as 9201811F. See attached Description	
Anticipated startup date: <u>11</u> / <u>30</u> / <u>2023</u> Is facility currently registered with ORCAA? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
This project must meet the requirements of the State Environmental Policy Act (SEPA) before ORCAA can issue final approval. Indicate the SEPA compliance option: <input type="checkbox"/> SEPA was satisfied by _____ (government agency) on ___/___/___ (date) - Include a copy of the SEPA determination <input type="checkbox"/> SEPA threshold determination by _____ (government agency) is pending - Include a copy of the environmental checklist <input checked="" type="checkbox"/> ORCAA is the only government agency requiring a permit - Include ORCAA Environmental Checklist <input type="checkbox"/> This project is exempt from SEPA per _____ (WAC citation).	
Name of Owner of Business: Teresa Compton	Agency Use Only
Title: Plant Manager	
Email: <i>teresa.compton@crowncork.com</i> Phone: <i>360-438-6561</i>	
Authorized Representative for Application (if different than owner): Wesley McNallie	
Title: Plant Engineer	
Email: <i>wesley.mcnallie@crowncork.com</i> Phone: <i>360-438-6565</i>	
I hereby certify that the information contained in this application is, to the best of my knowledge, complete and correct.	
Signature of Owner or Authorized Representative: (sign in Blue Ink)	
	Date: <i>10/20/23</i>
IMPORTANT: Do not send via email or other electronic means. ORCAA must receive Original, hardcopy, signed application and payment prior to processing application.	

CERTIFICATION FORM

Received

OCT 20 2023

- 1. Facility/Source Name: Crown Cork & Seal
- 2. Company Name (if different): _____
- 3. ORCAA Source ID #: 152 Facility SIC Code: 3411
- 4. Unified Business Identification Number: 409010554
- 5. Company Owner: Crown Cork & Seal Company, Inc.
- 6. Parent Company: Crown Cork & Seal Company, Inc.
- 7. Environmental Contact for this submittal:
Name: Wesley McNallie Title: Plant Engineer Phone #: 360.438.6565
- 8. Mailing Address: 1202 Fones Rd, Olympia, WA, 98501

ORCAA

9. **Identification of Report Covered by this Certification:** *Identify the exact report which is certified as being true and accurate under this Certification Form. Please identify the period of time covered by the report and specify any extraneous materials which are not covered by the certification.*

a. Specify the period of time covered by the report:

- b. Specify the Type or Name of Report:
 - Certification of Compliance Report (Semi-annual)
 - Compliance Schedule (30 days after triggering per Condition 3.5)
 - Permit Deviation Reports (per Condition 3.3)
 - Annual Emissions Inventory (must include calculations and supporting data)
 - Stack Testing Results (Within 45 days from conducting the testing)
 - Other. Specify: NOC for PFAS Matte conversion

c. Please specify by page number any sections of the report not covered by this certification which are provided as background information and are not necessary to support the statements and information which are certified: _____

10. **Certification:**
By my signature below, I certify that all information and statements in the accompanying report, which is identified in item #9 above, including all attachments are true, accurate, and complete to the best of my knowledge.

Teresa Compton

Signature

10/20/23

Date

Plant Manager
Title

Teresa Compton
Printed Name

OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502 - 360-539-7610 – Fax 360-491-6308

FORM 1D- Contact Information

Business Name Crown Cork & Seal	FOR ORCAA USE
	FILE #
Physical Site Address (Street address, city, state, zip) 1202 Fones RD SE Olympia, WA 98501	CTY #
	SRC #
	Date Received Received OCT 20 2023 ORCAA
Previous Business Name (if applicable)	

Contact Information

Inspection Contact	
Name Wesley McNallie	Title Plant Engineer
Phone 360-438-6565	Email wesley.mcnallie@crowncork.com
Billing Contact	
Name Dawn Dacy	Title Cost Accountant
Phone 360-438-6560	Email Olympia.Payables@crowncork.com
Emission Inventory Contact	
Name Mike Herron	Title Manager EHS
Phone 215-698-5151	Email michael.herron@crowncork.com
Complaint Contact	
Name Teresa Compton	Title Plant Manager
Phone 360-438-6561	Email teresa.compton@crowncork.com
Permit Contact	
Name Wesley McNallie	Title Plant Engineer
Phone 360-438-6565	Email wesley.mcnallie@crowncork.com

The **inspection contact** is the on-site person responsible for the everyday operation of the site and is available for inspections.

The **billing contact** is the person invoices are sent.

The **emission inventory contact** is the person requests for emissions information and material use information are sent.

The **complaint contact** is the person who receives and responds to complaints received on-site and who is contacted regarding complaints ORCAA receives.

The **permit contact** is the person responsible for filling out permit applications and receiving approval from ORCAA.

Project Description:

The CROWN Olympia facility produces 2 piece aluminum beverage cans. Aluminum coil stock is cut and formed into can bodies. Can bodies are roll coated on the exterior and sprayed on the interior before curing ovens.

This project is for a coating content revision, the existing varnish is being reformulated to meet customer demand. 9201811 will be revised to 9201811F. This change will change the included HAP/TAP components in extremely dilute amounts. The NOI has been calculated at 3 lines running same Matte varnish. The NOC has been calculated to show 3 lines running matte varnish and a separate calculation demonstrating bypass review. EGBE & Formaldehyde are included in the calculation but these compounds will not exceed currently allowable levels. Silica is additionally included in the calculation as a listed TAP (Silica, respirable), however this is a roll coating process and as part of the solids not a respirable hazard. The other remaining components pass their respective screening for SQER or deminimis. Annual calculations assume 187,000 gallons of overvarnish, daily 3 lines considered 660 gallons as 2 totes, and daily bypass took one third of that usage. All of these values are conservative when considering specialty varnish but we reviewed at these levels intentionally on the maximums.

No other facility changes are included in this NOI/NOC. There is a confidentiality component to both the NOI and the NOC related to non-disclosure and confidentiality requirements between CROWN and Sherwin Williams related to proprietary ingredients and potential loss of revenue.

Potential to Emit (PTE) Emissions Calculations

10/2/2023

to meet customer request. Small change in solvent mix with HAP/TAP Length of Trial 24 Hours

Hydrotreated Light
Petroleum
Distillates

Potential to Emit (PTE) VOC Limit										HAP/TAP Total Trial Hours										
Material	Application Process/Line	Maximum Production (cans/min)	Application Rate (gal/1000 can)	USAGE RATES		Vol % Solids	lb VOC/ gal solids	Density lbs	EMISSION RATE		XYLENE lbs	GLY ETH lbs	CH2O lbs	Methanol lbs	EGBE lbs	N-butanol lbs	dimethylethanamine lbs	CAS 64742- 47-8 lbs		
				HOURLY (gal)	TRIAL (gal)				VOC (lbs/hr)	VOC (tons)										
22Q05AW	Existing Process - Decorators Inside Spray	6800	0.0604	24.64	591.4	34.30%	2.6	8.9	21.98	0.26	0.00	0.00	0.00	0.00	168.44	10.53	147.39	0.00		
22Q14AG		6800	0.0604	24.64	591.4	34.50%	2.3	8.9	19.55	0.23	0.00	0.00	0.00	0.00	331.62	10.53	84.22	42.11		
CT 4891		6800	0.0604	24.64	591.4	35.40%	2.9	8.9	25.30	0.30	0.00	0.00	0.00	0.00	389.52	115.80	105.28	0.00		
9201811		6800	0.0604	24.64	591.4	32.20%	2.9	9.15	23.01	0.28	0.00	0.00	0.00	0.00	319.29	97.41	135.29	0.00		
9201807		6800	0.0604	24.64	591.4	31.50%	2.94	8.95	22.82	0.27	0.00	0.00	0.00	0.00	322.89	95.28	127.04	0.00		
9201811F	Inside Spray Proposed Coatings	6800	0.0604	24.64	591.4	32.30%	2.7	9.15	21.49	0.26	0.00	0.00	0.00	0.00	281.41	81.17	113.64	0.00		
0		6800	0.0604	24.64	591.4	0.00%	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
TRIAL MAX									0.30		0.00	0.00	0.00	0.00	389.52	115.80	147.39	42.11		
22Q05AW	Current Allowable - ALL Lines Deco Inside Spray	6800	0.0604	24.64	591.4	34.30%	2.6	8.9	21.98	0.26	0.00	0.00	0.00	0.00	168.44	10.53	147.39	0.00		
22Q14AG		6800	0.0604	24.64	591.4	34.50%	2.3	8.9	19.55	0.23	0.00	0.00	0.00	0.00	331.62	10.53	84.22	42.11		
CT 4891		6800	0.0604	24.64	591.4	35.40%	2.9	8.9	25.30	0.30	0.00	0.00	0.00	0.00	389.52	115.80	105.28	0.00		
9201811		6800	0.0604	24.64	591.4	32.20%	2.9	9.15	23.01	0.28	0.00	0.00	0.00	0.00	319.29	97.41	135.29	0.00		
9201807		6800	0.0604	24.64	591.4	31.50%	2.94	8.95	22.82	0.27	0.00	0.00	0.00	0.00	322.89	95.28	127.04	0.00		
ALLOWABLE MAX									0.30		0.00	0.00	0.00	0.00	389.52	115.80	147.39	42.11		
Pounds solids = gallons x density x wt % solids				Proposed annual		187000 gallons		NOC1451		INCREASE		24 HR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
												VOC	XYLENE	GLY ETH	CH2O	Methanol	EGBE	N-butano	ethylethanolar	
																1.61	0.3			Not TAP
																26.30	6.1			Not HAP

Notes:

- Volume % Solids = Taken from manufacturers SDS
- Lb VOC / Gal Solids = Taken from manufacturers SDS
- Wt % Solids = Taken from manufacturers SDS
- Density = Taken from manufacturers SDS

PTE Notes:

- Calculations included in the totals
- Maximum Values taken for the purpose of worst case emission calculations
- All IPA emissions are considered Fugitive emissions; no control was applied.
- IPA calculations are in gallons per hour.
- Overall emission = Fugitive Rate (25%) + Point Rate (75%) [100% emitted]
- PTE Calculation Methodology:**
- Usage Rates Hourly (gal) = Maximum Production (cans/min) * Application Rate (gal/1000cans) * 60 (min/hr) / 1000 (cans)
- Usage Rates Annual (gal) = Estimated annual usage rate based on manufacturing capacity
- Emission Rate (lbs/hr) = Usage Rate Hourly (gal) * Volume % Solids * lbs VOC / gallon solids
- Emission Rate (ton/hr) = Usage Rate Annual (gal) * Volume % Solids * lbs VOC / gallon solids / 2000 lbs/ton
- VOC (lbs/hr) = Emission Rate (lbs/hr)
- Point VOC (tpy) = Emission Rate (tpy) * Maximum Capture (%) * (1-Destruction Rate Efficiency [%]) * Maximum PTE (%)
- FUG VOC (tpy) = Emission Rate (tpy) * (1-Capture Efficiency) * Maximum PTE (%)
- Fugitive and Point percentage based on engineering judgement
- No Destruction applied

VARNISH CHANGE

Date of initial evaluation 10/2/2023 revised 10/19/2023

Reason: Change in formulation to meet customer request. Small change in solvent mix with HAP/TAP

	LBS VOC /GAL (- WATER)	Lb VOC/ Gal solids	kg VOC/ L solids	DENSITY LBS/GAL	VOLUME % SOLIDS	Wt % Solid	XYLENE	GLY ETH	CH2O	Methanol	EGBE	N-butanol	dimethylethanolamine	CAS 64742-47-8	Tridecyl
Existing	9201811	2.1	2.9	0.35	9.15	32.20%	39.50%					5.90%	1.80%	2.50%	
Proposed	9201811F	2	2.7	0.32	9.15	32.30%	39.50%					5.20%	1.50%	2.10%	
INCREASE		-0.1	-0.2	-0.03	0	0.001	0	0	0	0	0	-0.007	-0.003	-0.004	0

24 Hr VOC Increase 0.00 No Increase

HAPS Change Yes/No YES CHECK NOI/NOC ONLY: Formaldehyde Allowed

TAPS Change Yes/No YES CHECK NOI/NOC ONLY: Formaldehyde or EGBE Allowed

EGBE 5.20% 7.40% Limit: % by weight

NSPS WW 0.32 0.46 Limit: kg VOC/L Solids

Submitted

NOI Required TAP/HAP Below allowable limits

NOC Required TAP/HAP No changes to conditions

Supporting Documentation

TDS
Calculation Attached

10/2/2023

YEAR TRIAL

Change in formulation to meet customer request. Small change in solvent mix with HAP/TAP

TOXICS CONCENTRATIONS

Varnish	LBS VOC /GAL (- WATER)	Lb VOC/ Gal solids	kg VOC/ L solids	DENSITY LBS/GAL	VOLUME % SOLIDS	Wt % Solid	XYLENE	GLY ETH	CH2O	Methanol	TOXICS CONCENTRATIONS				
											EGBE	N-butanol	dimethyletha nolamine CAS 64742-47-8	Tridecyl	
22Q05AW	2.1	2.6	0.31	8.9	34.30%	39.50%		0.000%	0.000%	0.000%	3.200%	0.200%	2.80%		0.30%
22Q14AG	1.8	2.3	0.28	8.9	34.50%	39.90%		0.00%			6.30%	0.20%	1.60%	0.80%	0.20%
CT 4891	2.1	2.9	0.35	8.9	35.40%	41.00%					7.40%	2.20%	2.00%		
9201811	2.1	2.9	0.35	9.15	32.20%	39.50%					5.90%	1.80%	2.50%		
9201807	2.1	2.94	0.35	8.95	31.50%	37.50%					6.10%	1.80%	2.40%		
Proposed Varnish															
9201811F	2	2.7	0.32	9.15	32.30%	39.50%					5.20%	1.50%	2.10%		

Not Listed Not Listed

Hydrotreated
Light Petroleum
Distillates



WAC 173-460-150 Toxic Air Pollutant (TAP) List (effective 12/23/19)

Common Name	CAS #	Averaging Period	ASIL (µg/m3)	SQER (lb/averaging)	De Minimis (lb/averaging)	Amount in Coating	Substance Amt/year, lb	NOC1451 Limit		187000 Gallons 1711050 lbs		9.15 lbs/gal			
								DeMin	SQER	DeMin	SQER	Substance Amt/24hrs, lb	SQER	Substance Amt/24hrs, 1hr	DeMin
PPG9201-811F - Uncontrolled Potential															
Ethyl benzene	100-41-4	year	0.400	65.000	3.200	0.000723	12.369	Above	Pass	0.0339	DeMin	SQER	0.0014		
Ethylene glycol	107-21-1	24-hr	400.000	30.000	1.500	0.002419	41.392			0.1134	Pass	Pass	0.0047		
Toluene	108-88-3	24-hr	5000.000	370.000	19.000	0.000019	0.325			0.000891	Pass	Pass	0.0000		
Ethylene glycol monobutyl ether	111-76-2	24-hr	82.000	6.100	0.300	5.200000	88974.600			243.7660	Existing Limits	Existing Limits	10.1569		
Sodium hydroxide	1310-73-2	1-hr	8.000	0.015	0.001	0.000050	0.859			0.0024			0.0000981	Pass	Pass
Cresols (mixture), including m-cresol, o-cresol, p-cresol	1319-77-3	24-hr	600.000	44.000	2.200	0.010040	171.789			0.4707	Pass	Pass	0.0196		
Xylene (mixture), including m-xylene, o-xylene, p-xylene	1330-20-7	24-hr	220.000	16.000	0.820	0.004072	69.671			0.1909	Pass	Pass	0.0080		
Formaldehyde	50-00-0	year	0.170	27.000	1.400	0.009257	158.383	Existing Limits	Existing Limits	0.4339			0.0181		
Methyl alcohol (methanol)	67-56-1	24-hr	20000.000	1500.000	74.000	0.045815	783.918			2.1477	Pass	Pass	0.0895		
Silica, crystalline (respirable)	7631-86-9	24-hr	3.000	0.220	0.011	1.510000	25836.855			70.7859	Solids Only	Solids Only	2.9494		

EGBE - meets allowable permit limits for Varnish

Silica - is in the solids of the coating, not aerosolized in roll coating operation and therefore not respirable.

Controlled annual

Common Name	CAS #	Averaging Period	ASIL (µg/m3)	SQER (lb/averaging)	De Minimis (lb/averaging)	Amount in Coating	Substance Amt/year, lb	DRE		NOC1451 Limit		187000 Gallons 1711050 lbs		9.15 lbs/gal			
								Capture	Overall	DeMin	SQER	DeMin	SQER	Substance Amt/24hrs, lb	SQER	Substance Amt/24hrs, 1hr	DeMin
DRE 0.98 Capture 0.8 Overall 0.784 0.72																	
Ethyl benzene	100-41-4	year	0.400	65.000	3.200	0.000723	2.672			Pass	Pass	0.0073	DeMin	SQER	0.0003		
Ethylene glycol	107-21-1	24-hr	400.000	30.000	1.500	0.002419	8.941					0.0245	Pass	Pass	0.0010		
Toluene	108-88-3	24-hr	5000.000	370.000	19.000	0.000019	0.070					0.000192	Pass	Pass	0.0000		
Ethylene glycol monobutyl ether	111-76-2	24-hr	82.000	6.100	0.300	5.200000	19218.514					52.6535	Existing Limits	Existing Limits	2.1939		
Sodium hydroxide	1310-73-2	1-hr	8.000	0.015	0.001	0.000050	0.186					0.0005			0.0000212	Pass	Pass
Cresols (mixture), including m-cresol, o-cresol, p-cresol	1319-77-3	24-hr	600.000	44.000	2.200	0.010040	37.107					0.1017	Pass	Pass	0.0042		
Xylene (mixture), including m-xylene, o-xylene, p-xylene	1330-20-7	24-hr	220.000	16.000	0.820	0.004072	15.049					0.0412	Pass	Pass	0.0017		
Formaldehyde	50-00-0	year	0.170	27.000	1.400	0.009257	44.347	Existing Limits	Existing Limits			0.1215			0.0051		
Methyl alcohol (methanol)	67-56-1	24-hr	20000.000	1500.000	74.000	0.045815	169.326					0.4639	Pass	Pass	0.0193		
Silica, crystalline (respirable)	7631-86-9	24-hr	3.000	0.220	0.011	1.510000	5580.761					15.2898	Solids Only	Solids Only	0.6371		

EGBE - meets allowable permit limits for Varnish

Silica - is in the solids of the coating, not aerosolized in roll coating operation and therefore not respirable.

Formaldehyde will continue to meet existing approved limits.

WAC 173-460-150 Toxic Air Pollutant (TAP) List (effective 12/23/19)

Common Name	CAS #	Averaging Period	ASIL (µg/m3)	SQER (lb/averaging period)	De Minimis (lb/averaging period)	Amount in Coating	Substance Amt/year, lb	NOC1451 Limit		=660/3	220 Gallons		9.15 lbs/gal		
								DeMin	SQER		2013 lbs	2013 lbs	Substance Amt/24hrs, lb	Substance Amt/24hrs, 1hr	DeMin
PPG9201-811F															
Ethyl benzene	100-41-4	year	0.400	65.000	3.200	0.000723	0.015	Pass	Pass		0.0146	DeMin	SQER	0.0006	
Ethylene glycol	107-21-1	24-hr	400.000	30.000	1.500	0.002419	0.049				0.0487	Pass	Pass	0.0020	
Toluene	108-88-3	24-hr	5000.000	370.000	19.000	0.000019	0.000				0.0004	Pass	Pass	0.0000	
Ethylene glycol monobutyl ether	111-76-2	24-hr	82.000	6.100	0.300	5.200000	104.676				104.6760	Existing Limits	Existing Limits	4.3615	
Sodium hydroxide	1310-73-2	1-hr	8.000	0.015	0.001	0.000050	0.001				0.0010			0.0000421	Pass
Cresols (mixture), including m-cresol, o-cresol, p-cresol	1319-77-3	24-hr	600.000	44.000	2.200	0.010040	0.202				0.2021	Pass	Pass	0.0084	
Xylene (mixture), including m-xylene, o-xylene, p-xylene	1330-20-7	24-hr	220.000	16.000	0.820	0.004072	0.082				0.0820	Pass	Pass	0.0034	
Formaldehyde	50-00-0	year	0.170	27.000	1.400	0.009257	0.186	Pass	Pass		0.1863			0.0078	
Methyl alcohol (methanol)	67-56-1	24-hr	20000.000	1500.000	74.000	0.045815	0.922				0.9223	Pass	Pass	0.0384	
Silica, crystalline (respirable)	7631-86-9	24-hr	3.000	0.220	0.011	1.510000	30.396				30.3963	Solids Only	Solids Only	1.2665	

EGBE - meets allowable permit limits for Varnish

Silica - is in the solids of the coating, not aerosolized in roll coating operation and therefore not respirable.

Uncontrolled 24 HR - Single DECO

							DRE	0	0						
							Capture	0.8		DeMin	SQER	DeMin	SQER	DeMin	SQER
							Overall	0	0	DeMin	SQER	DeMin	SQER	DeMin	SQER
Ethyl benzene	100-41-4	year	0.400	65.000	3.200	0.000723	0.015	Pass	Pass		0.0146	DeMin	SQER	0.0006	
Ethylene glycol	107-21-1	24-hr	400.000	30.000	1.500	0.002419	0.049				0.0487	Pass	Pass	0.0020	
Toluene	108-88-3	24-hr	5000.000	370.000	19.000	0.000019	0.000				0.0004	Pass	Pass	0.0000	
Ethylene glycol monobutyl ether	111-76-2	24-hr	82.000	6.100	0.300	5.200000	104.676				104.6760	Existing Limits	Existing Limits	4.3615	
Sodium hydroxide	1310-73-2	1-hr	8.000	0.015	0.001	0.000050	0.001				0.0010			0.0000421	Pass
Cresols (mixture), including m-cresol, o-cresol, p-cresol	1319-77-3	24-hr	600.000	44.000	2.200	0.010040	0.202				0.2021	Pass	Pass	0.0084	
Xylene (mixture), including m-xylene, o-xylene, p-xylene	1330-20-7	24-hr	220.000	16.000	0.820	0.004072	0.082				0.0820	Pass	Pass	0.0034	
Formaldehyde	50-00-0	year	0.170	27.000	1.400	0.009257	0.186	Pass	Pass		0.1863			0.0078	
Methyl alcohol (methanol)	67-56-1	24-hr	20000.000	1500.000	74.000	0.045815	0.922				0.9223	Pass	Pass	0.0384	
Silica, crystalline (respirable)	7631-86-9	24-hr	3.000	0.220	0.011	1.510000	30.396				30.3963	Solids Only	Solids Only	1.2665	

EGBE - meets allowable permit limits for Varnish

Silica - is in the solids of the coating, not aerosolized in roll coating operation and therefore not respirable.

Formaldehyde will continue to meet existing approved limits.



PPG Industries Inc
VOC DATA SHEET

Coating Identification: PPG9201-811F ISENSE MATTE OV

1. Coating Density (D_c) _s : ASTM D1475	<u>9.15</u> lb./gal. <u>1.1</u> kg/l
2. Total Volatiles (W_v) _s : (H ₂ O included) ASTM D2369	a. <u>60.5</u> Weight Percent b. <u>67.7</u> Volume Percent
3. Total Volatiles: a. (W_o) _s (less H ₂ O)	a. <u>9.39</u> Weight Percent b. <u>11.7</u> Volume Percent
4. Water Content: a. (W_w) _s b. (V_x) _s	a. <u>51.1</u> Weight Percent b. <u>56</u> Volume Percent
5. VOC Content: and Density (Weight VOC/vol. solids):	<u>2.0</u> lbs/gal less water <u>.23</u> kg/l less water <u>2.7</u> lbs/gal solids <u>.32</u> kg/l solids
6. Coating Solids (Non Volatile): b. (V_N) _s	a. <u>39.5</u> Weight Percent b. <u>32.3</u> Volume Percent

Remarks:

Signed Krista Smith Date 3/23/2023
E308334

PPG9201-811F ISENSE MATTE OV
Chemical Composition of Individual Volatiles

CAS #	Volatile	Weight %	Absolute Wt. %	Volume %	Specific Gravity	Density Lbs./Gal.	HAPS	SARA 302	SARA 313
<u>7732-18-5</u>	<u>WATER</u>	<u>84.5</u>	<u>51.1</u>	<u>82.7</u>	<u>1.000</u>	<u>8.35</u>	<u>No</u>	<u>No</u>	<u>No</u>
<u>111-76-2</u>	<u>2-Butoxyethanol</u>	<u>8.6</u>	<u>5.2</u>	<u>9.4</u>	<u>0.899</u>	<u>7.51</u>	<u>No</u>	<u>No</u>	<u>Yes</u>
<u>108-01-0</u>	<u>2- (Dimethylamino) ethanol</u>	<u>3.4</u>	<u>2.1</u>	<u>3.8</u>	<u>0.889</u>	<u>7.43</u>	<u>No</u>	<u>No</u>	<u>No</u>
<u>71-36-3</u>	<u>1-Butanol</u>	<u>2.3</u>	<u>1.4</u>	<u>2.8</u>	<u>0.809</u>	<u>6.76</u>	<u>No</u>	<u>No</u>	<u>Yes</u>
<u>8042-47-5</u>	<u>White mineral oil (petroleum)</u>	<u>1.0</u>	<u>0.6</u>	<u>1.1</u>	<u>0.893</u>	<u>7.46</u>	<u>No</u>	<u>No</u>	<u>No</u>
<u>78-83-1</u>	<u>Isobutyl alcohol</u>	<u>0.2</u>	<u>0.1</u>	<u>0.2</u>	<u>0.801</u>	<u>6.69</u>	<u>No</u>	<u>No</u>	<u>No</u>
	TOTAL:	<u>100</u>	<u>60.5</u>	<u>100</u>					
							Pounds of organic HAPS per gallon of coating:	<u>0</u>	
							Percent of organic HAPS (VHAP)	<u>0%</u>	

Trace constituents present at levels less than 0.1% by weight are not included.

Date 3/23/2023 Signed Krista Smith

E308334

SAFETY DATA SHEET



Date of issue/Date of revision 14 September 2023

Version 2

Section 1. Identification

Product name : ISENSE MATTE OV

Product code : PPG9201-811F

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.

Use of the substance/mixture : Coating. Paints. Painting-related materials.

Uses advised against : Not applicable.

Manufacturer : PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272

Emergency telephone number : (412) 434-4515 (U.S.)
(514) 645-1320 (Canada)
SETIQ Interior de la República: 800-00-214-00 (México)
SETIQ Ciudad de México: (55) 5559-1588 (México)

Technical Phone Number : (513) 576-3145 (PACKAGING COATINGS) 8:00 a.m. - 5:00 p.m. EST

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 25.5% (oral), 39.2% (dermal), 39.2% (inhalation)

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : Causes skin irritation.
Causes serious eye irritation.

Precautionary statements

Section 2. Hazards identification

Prevention	: Wear protective gloves. Wear eye or face protection. Wash thoroughly after handling.
Response	: Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	: Not applicable.
Disposal	: Not applicable.
Supplemental label elements	: Sanding and grinding dusts may be harmful if inhaled. Do not taste or swallow. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.
Hazards not otherwise classified	: Causes digestive tract burns. Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Product name	: ISENSE MATTE OV

Ingredient name	%	CAS number
Talc , not containing asbestiform fibres	≥1.0 - ≤5.0	14807-96-6
2-butoxyethanol	≥1.0 - ≤5.0	111-76-2
2-dimethylaminoethanol	≤1.5	108-01-0
butan-1-ol	≤1.4	71-36-3

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Section 4. First aid measures

- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. Defatting to the skin.
- Ingestion** : Corrosive to the digestive tract. Causes burns.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
metal oxide/oxides
Formaldehyde.
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Special precautions** : Ingestion of product or cured coating may be harmful. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Talc , not containing asbestiform fibres	ACGIH TLV (United States, 1/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable OSHA PEL Z3 (United States). TWA: 2 mg/m ³
2-butoxyethanol	ACGIH TLV (United States, 1/2022). TWA: 20 ppm 8 hours. OSHA PEL (United States, 5/2018). Absorbed through skin. TWA: 240 mg/m ³ 8 hours. TWA: 50 ppm 8 hours.
2-dimethylaminoethanol	IPEL (-). TWA: 1 ppm STEL: 3 ppm
butan-1-ol	ACGIH TLV (United States, 1/2022). TWA: 20 ppm 8 hours. OSHA PEL (United States, 5/2018). TWA: 300 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.

Key to abbreviations

A = Acceptable Maximum Peak

ACGIH = American Conference of Governmental Industrial Hygienists.

S = Potential skin absorption

SR = Respiratory sensitization

Section 8. Exposure controls/personal protection

C	= Ceiling Limit	SS	= Skin sensitization
F	= Fume	STEL	= Short term Exposure limit values
IPEL	= Internal Permissible Exposure Limit	TD	= Total dust
OSHA	= Occupational Safety and Health Administration.	TLV	= Threshold Limit Value
R	= Respirable	TWA	= Time Weighted Average
Z	= OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances		

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves : For prolonged or repeated handling, use the following type of gloves:

Recommended: butyl rubber, neoprene
May be used: nitrile rubber

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The respiratory protection shall be in accordance to 29 CFR 1910.134.

Section 9. Physical and chemical properties

Appearance

Physical state	: Liquid.				
Color	: Clear.				
Odor	: Not available.				
Odor threshold	: Not available.				
pH	: Not available.				
Melting point	: Not available.				
Boiling point	: >37.78°C (>100°F)				
Flash point	: Closed cup: 93.33°C (200°F)				
Auto-ignition temperature	: Not available.				
Decomposition temperature	: Not available.				
Flammability	: Not available.				
Lower and upper explosive (flammable) limits	: Not available.				
Evaporation rate	: Not available.				
Vapor pressure	: Not available.				
Vapor density	: Not available.				
Relative density	: 1.09				
Density (lbs / gal)	: 9.1				
Solubility(ies)	: <table border="1" data-bbox="483 1016 1524 1121"> <thead> <tr> <th>Media</th> <th>Result</th> </tr> </thead> <tbody> <tr> <td>cold water</td> <td>Partially soluble</td> </tr> </tbody> </table>	Media	Result	cold water	Partially soluble
Media	Result				
cold water	Partially soluble				
Partition coefficient: n-octanol/water	: Not applicable.				
Viscosity	: Kinematic (40°C (104°F)): >21 mm ² /s (>21 cSt)				
Volatility	: 64% (v/v), 57.566% (w/w)				
% Solid. (w/w)	: 42.434				

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

Section 10. Stability and reactivity

Hazardous decomposition products : Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides Formaldehyde. metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-butoxyethanol	LC50 Inhalation Vapor	Rat	3 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
2-dimethylaminoethanol	LC50 Inhalation Gas.	Rat	1641 ppm	4 hours
	LC50 Inhalation Vapor	Rat	6100 mg/m ³	4 hours
	LD50 Dermal	Rabbit	1.37 g/kg	-
butan-1-ol	LD50 Oral	Rat	1.803 g/kg	-
	LC50 Inhalation Vapor	Rat	24000 mg/m ³	4 hours
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LD50 Oral	Rat	790 mg/kg	-

Conclusion/Summary : There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-butoxyethanol	Eyes - Irritant	Rabbit	-	24 hours	21 days
	Skin - Moderate irritant	Rabbit	-	4 hours	28 days

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Eyes : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Sensitization

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Mutagenicity

Conclusion/Summary : **proprietary acrylic resin**: Not mutagenic in Ames test.

Carcinogenicity

Conclusion/Summary : There are no data available on the mixture itself.

Classification

Product/ingredient name	OSHA	IARC	NTP
2-butoxyethanol	-	3	-

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

Reproductive toxicity

Section 11. Toxicological information

Conclusion/Summary : There are no data available on the mixture itself.

Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Talc , not containing asbestiform fibres	Category 3	-	Respiratory tract irritation
2-dimethylaminoethanol	Category 3	-	Respiratory tract irritation
butan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Not available.

Target organs

: Contains material which causes damage to the following organs: brain.
Contains material which may cause damage to the following organs: blood, kidneys, lungs, liver, cardiovascular system, upper respiratory tract, immune system, skin, central nervous system (CNS), ears, eye, lens or cornea.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation. Defatting to the skin.
Ingestion : Corrosive to the digestive tract. Causes burns.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness
dryness
cracking

Ingestion : Adverse symptoms may include the following:
stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Section 11. Toxicological information

Conclusion/Summary : There are no data available on the mixture itself. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure

Potential immediate effects : There are no data available on the mixture itself.

Potential delayed effects : There are no data available on the mixture itself.

Long term exposure

Potential immediate effects : There are no data available on the mixture itself.

Potential delayed effects : There are no data available on the mixture itself.

Potential chronic health effects

General : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
ISENSE MATTE OV	13620.2	21437.1	80809.4	39.7	73.9
2-butoxyethanol	1200	2500	N/A	3	N/A
2-dimethylaminoethanol	1803	1370	1641	6.1	1.5
butan-1-ol	790	3400	N/A	24	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
2-butoxyethanol	Acute LC50 1474 mg/l Chronic NOEC >100 mg/l	Fish	96 hours
butan-1-ol	Acute LC50 1376 mg/l	Fish	21 days 96 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2-butoxyethanol	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-butoxyethanol	0.81	-	Low
2-dimethylaminoethanol	-0.55	-	Low
butan-1-ol	1	-	Low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

Additional information

DOT : None identified.

IMDG : None identified.

IATA : None identified.

Special precautions for user : **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not applicable.

Section 15. Regulatory information

United States

United States inventory (TSCA 8b) : All components are active or exempted.

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification : SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
HNOC - Corrosive to digestive tract
HNOC - Defatting irritant

Composition/information on ingredients

Section 15. Regulatory information

Name	%	Classification
Calc, not containing asbestiform fibres	≥1.0 - ≤5.0	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
2-butoxyethanol	≥1.0 - ≤5.0	FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
2-dimethylaminoethanol	≤1.5	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 3 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
butan-1-ol	≤1.4	HNOC - Corrosive to digestive tract FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 HNOC - Defatting irritant

SARA 313

Supplier notification	Chemical name	CAS number	Concentration
	: 2-butoxyethanol	111-76-2	1 - 5
	butan-1-ol	71-36-3	0.5 - 1.5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 3 * Flammability : 1 Physical hazards : 0

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

Product code PPG9201-811F

Date of issue 14 September 2023 Version 2

Product name ISENSE MATTE OV

Section 16. Other information

Health : 3 Flammability : 1 Instability : 0

Date of previous issue : 3/14/2023

Organization that prepared the SDS : EHS

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

✔ Indicates information that has changed from previously issued version.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

RE: Confidentiality of 23NOI1609 and 23NOC1621

Compton, Teresa <Teresa.Compton@crowncork.com>

Wed 10/25/2023 10:21 AM

To: Jennifer DeMay <jennifer.demay@orca.org>

Cc: Debbie Moody <debbie.moody@orca.org>

Jennifer.

You are correct. Crown is withdrawing the confidentiality portion of the original requests for the NOI and NOC. After discussions with our vendor, they confirmed that confidentiality was not needed.

Thank you for double checking.

Teresa Compton

Plant Manager

Crown Beverage Packaging

1202 Fones Rd.

Olympia, WA 98501

Cell 507-341-0081

Teresa.Compton@crowncork.com

From: Jennifer DeMay <jennifer.demay@orca.org>**Sent:** Wednesday, October 25, 2023 9:41 AM**To:** Compton, Teresa <Teresa.Compton@crowncork.com>**Cc:** Debbie Moody <debbie.moody@orca.org>**Subject:** Confidentiality of 23NOI1609 and 23NOC1621

CAUTION: This email was sent from outside of CROWN. Ensure you trust this sender before clicking on any links or open any attachments.

Good morning, Teresa,

ORCAA received the resubmittals of NOI# 23NOI1609 and NOC# 23NOC1621 for the use of PFAS Matte Overvarnish PPG 9201-811F without any request for confidentiality.

As the original submittals contained a confidentiality request, ORCAA would like confirmation from you that you are withdrawing any request of confidentiality on these original resubmittals. Therefore, if ORCAA received a public records request for those records, the original submittals will be released in their entirety.

Jennifer DeMay, P.E.

Engineering Supervisor

Olympic Region Clean Air Agency - "Clean Air is Everyone's Business!"

2940 Limited Lane NW · Olympia WA 98502 · www.orcaa.org [[orcaa.org](http://www.orcaa.org)]

(360) 539-7610 ext. 115 · 1-800-422-5623

Please take notice that any records or communications with ORCAA are subject to public disclosure under the Public Records Act (RCW 42.56) unless exempt under applicable law.

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