

January 19, 2011

Service Request No: J1100218

Samee Patel EonCoat LLC 4000 Airport Drive Wilson, NC 27896

# **Laboratory Results for: Product Testing**

Dear Samee:

Enclosed are the results of the sample(s) submitted to our laboratory on January 18, 2011. For your reference, these analyses have been assigned our service request number **J1100218**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 4410. You may also contact me via email at JAllen@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Jerry Allen

Project Manager

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Client:

EonCoat LLC Product Testing

Project: Produ Sample Matrix: Solid Service Request No.:

J1100218

Date Received:

1/18/11

#### **CASE NARRATIVE**

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

#### Sample Receipt

Two solid samples were received for analysis at Columbia Analytical Services on 1/18/11. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at  $4\pm2^{\circ}$ C upon receipt at the lab except for aqueous samples designated for metals analyses, which were stored at room temperature.

### Volatile Organic Compounds by GC-MS

### **Elevated Method Reporting Limits**

The samples required a dilution due to matrix interference. The reporting limits are adjusted to reflect the dilution.

### Hazardous Air Pollutants by GC-FID

### **Elevated Method Reporting Limits**

The samples required a dilution due to matrix interference. The reporting limits are adjusted to reflect the dilution.

#### Sample Notes and Discussion

NOTE: A correction factor (1.06) was applied to field sample results for acetaldehyde and propionaldehyde. Adjustment was only made to sample result above and at the reporting limit.

### **Data Qualifiers**

### Inorganic Data

- \* The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimated amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- Z Too many colonies were present (TNTC). The numeric value represents the filtration volume.
- i The MRL/MDL has been elevated due to matrix interference.
- X See case narrative.

#### **Metals Data**

- \* The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The reported value is estimated because of the presence of matrix interference.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The result was determined by Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL has been elevated due to matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.

#### **Organic Data**

- \* The result is an outlier. See case narrative.
- # The control limit criteria are not applicable. See case narrative.
- A The tentatively identified compound is a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria were exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides)
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative.

#### Petroleum Hydrocarbon Specific

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

### Acronyms

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon
CFU Colony-Forming Unit

DEC Department of Environmental Conservation

DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology
DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a substance allowed in

drinking water as established by the USEPA.

MDL Method Detection Limit
MPN Most Probable Number
MRL Method Reporting Limit

NA Not Applicable NC Not Calculated

NCASI National Council of the Paper Industry for Air and Stream Improvement

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring

TPH Total Petroleum Hydrocarbons

tr Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the

MDL.

Client: Project: EonCoat LLC

Product Testing

Service Request: J1100218

# SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	$\underline{\text{DATE}}$	TIME
J1100218-001	Eon Coat Paint component Part A	1/17/11	00:00
J1100218-002	Eon Coat Paint component Part B	1/17/11	00:00

Analytical Results

Client:

EonCoat LLC **Product Testing** 

Project: Sample Matrix:

Misc. solid

Service Request: J1100218

**Date Collected:** 01/17/2011 **Date Received:** 01/18/2011

# Volatile Organic Compounds by GC/MS

Sample Name:

Eon Coat Paint component Part A

Lab Code:

J1100218-001

**Extraction Method:** EPA 5035/5030B

**Analysis Method:** 

8260B

Units: mg/Kg Basis: Wet

Level: Med

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND U	1.0	0.12	1	01/18/11	01/18/11	JWG1100276	
Chloromethane	ND U	0.50	0.055	1	01/18/11	01/18/11	JWG1100276	
Vinyl Chloride	ND U	0.50	0.11	1	01/18/11	01/18/11	JWG1100276	
Bromomethane	ND U	0.50	0.11	1	01/18/11	01/18/11	JWG1100276	0.0000
Chloroethane	ND U	2.5	0.11	1	01/18/11	01/18/11	JWG1100276	
Trichlorofluoromethane	ND U	2.5	0.11	1	01/18/11	01/18/11	JWG1100276	
1,1-Dichloroethene	ND U	0.50	0.080	1	01/18/11	01/18/11	JWG1100276	
Acetone	ND U	25	2.8	1	01/18/11	01/18/11	JWG1100276	
Iodomethane (Methyl Iodide)	ND U	2.5	1.4	1	01/18/11	01/18/11	JWG1100276	
Carbon Disulfide	ND U	5.0	1.5	1	01/18/11	01/18/11	JWG1100276	
Methylene Chloride	ND U	10	0.11	1	01/18/11	01/18/11	JWG1100276	
Methyl tert-Butyl Ether	ND U	0.50	0.070	1	01/18/11	01/18/11	JWG1100276	
trans-1,2-Dichloroethene	ND U	0.50	0.060	1	01/18/11	01/18/11	JWG1100276	
1,1-Dichloroethane	ND U	0.50	0.065	1	01/18/11	01/18/11	JWG1100276	
Vinyl Acetate	ND U	5.0	0.95	1	01/18/11	01/18/11	JWG1100276	
cis-1,2-Dichloroethene	ND U	0.50	0.18	1	01/18/11	01/18/11	JWG1100276	
2-Butanone (MEK)	ND U	5.0	1.9	1	01/18/11	01/18/11	JWG1100276	
Bromochloromethane	ND U	0.50	0.14	1	01/18/11	01/18/11	JWG1100276	
Chloroform	ND U	0.50	0.18	1	01/18/11	01/18/11	JWG1100276	
1,1,1-Trichloroethane (TCA)	ND U	0.50	0.085	1	01/18/11	01/18/11	JWG1100276	
Carbon Tetrachloride	ND U	0.50	0.17	1	01/18/11	01/18/11	JWG1100276	
Benzene	ND U	0.50	0.11	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichloroethane (EDC)	ND U	0.50	0.090	1	01/18/11	01/18/11	JWG1100276	
Trichloroethene (TCE)	ND U	0.50	0.080	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichloropropane	ND U	0.50	0.060	1	01/18/11	01/18/11	JWG1100276	
Dibromomethane	ND U	1.0	0.090	1	01/18/11	01/18/11	JWG1100276	
Bromodichloromethane	ND U	0.50	0.085	1	01/18/11	01/18/11	JWG1100276	
cis-1,3-Dichloropropene	ND U	0.50	0.10	1	01/18/11	01/18/11	JWG1100276	
4-Methyl-2-pentanone (MIBK)	ND U	13	0.33	1	01/18/11	01/18/11	JWG1100276	
Toluene	ND U	0.50	0.095	1	01/18/11	01/18/11	JWG1100276	
trans-1,3-Dichloropropene	ND U	0.50	0.12	1	01/18/11	01/18/11	JWG1100276	
1,1,2-Trichloroethane	ND U	0.50	0.085	1	01/18/11	01/18/11	JWG1100276	
Tetrachloroethene (PCE)	ND U	0.50	0.055	1	01/18/11	01/18/11	JWG1100276	
2-Hexanone	ND U	13	1.1	1	01/18/11	01/18/11	JWG1100276	

**Comments:** 

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Form 1A - Organic

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Analytical Results

Client: Project: EonCoat LLC **Product Testing** 

Sample Matrix:

Misc. solid

Service Request: J1100218

**Date Collected:** 01/17/2011

**Date Received:** 01/18/2011

## Volatile Organic Compounds by GC/MS

Sample Name:

Eon Coat Paint component Part A

Lab Code:

J1100218-001

Extraction Method:

EPA 5035/5030B

**Analysis Method:** 

8260B

Units: mg/Kg Basis: Wet

Level: Med

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND U	0.50	0.095	1	01/18/11	01/18/11	JWG1100276	
1,2-Dibromoethane (EDB)	» ND U	0.50	0.085	1	01/18/11	01/18/11	JWG1100276	17
Chlorobenzene	ND U	0.50	0.080	1	01/18/11	01/18/11	JWG1100276	and a trial of the collection
1,1,1,2-Tetrachloroethane	ND U	0.50	0.090	1	01/18/11	01/18/11	JWG1100276	
Ethylbenzene	ND U	0.50	0.26	1	01/18/11	01/18/11	JWG1100276	
m,p-Xylenes	ND U	1.0	0.52	1	01/18/11	01/18/11	JWG1100276	Art hard hands over the contraction.
o-Xylene	ND U	0.50	0.070	1	01/18/11	01/18/11	JWG1100276	
Styrene	ND U	0.50	0.15	1	01/18/11	01/18/11	JWG1100276	
Bromoform	ND U	1.0	0.21	1	01/18/11	01/18/11	JWG1100276	
1,1,2,2-Tetrachloroethane	ND U	0.50	0.055	1	01/18/11	01/18/11	JWG1100276	
1,2,3-Trichloropropane	ND U	1.0	0.21	1	01/18/11	01/18/11	JWG1100276	
trans-1,4-Dichloro-2-butene	ND U	10	1.1	1	01/18/11	01/18/11	JWG1100276	114111111111111111111111111111111111111
1,3-Dichlorobenzene	ND U	0.50	0.065	1	01/18/11	01/18/11	JWG1100276	
1,4-Dichlorobenzene	ND U	0.50	0.050	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichlorobenzene	ND U	0.50	0.25	1	01/18/11	01/18/11	JWG1100276	
1,2-Dibromo-3-chloropropane (DF	ND U	2.5	1.2	1	01/18/11	01/18/11	JWG1100276	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note	
1,2-Dichloroethane-d4	112	56-147	01/18/11	Acceptable	
4-Bromofluorobenzene	109	61-133	01/18/11	Acceptable	
Dibromofluoromethane	105	65-136	01/18/11	Acceptable	
Toluene-d8	114	80-130	01/18/11	Acceptable	

**Comments:** 

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Analytical Results

Client:

EonCoat LLC **Product Testing** 

**Project: Sample Matrix:** 

Misc. solid

Service Request: J1100218

**Date Collected:** 01/17/2011 **Date Received:** 01/18/2011

# Volatile Organic Compounds by GC/MS

Sample Name:

Eon Coat Paint component Part B

Lab Code:

J1100218-002

**Extraction Method:** EPA 5035/5030B

**Analysis Method:** 

8260B

Units: mg/Kg Basis: Wet

Level: Med

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND U	1.0	0.12	1	01/18/11	01/18/11	JWG1100276	
Chloromethane	ND U	0.50	0.055	1	01/18/11	01/18/11	JWG1100276	
Vinyl Chloride	ND U	0.50	0.11	1	01/18/11	01/18/11	JWG1100276	
Bromomethane	ND U	0.50	0.11	1	01/18/11	01/18/11	JWG1100276	
Chloroethane	ND U	2.5	0.11	1	01/18/11	01/18/11	JWG1100276	
Trichlorofluoromethane	ND U	2.5	0.11	1	01/18/11	01/18/11	JWG1100276	
1,1-Dichloroethene	ND U	0.50	0.080	1	01/18/11	01/18/11	JWG1100276	
Acetone	ND U	25	2.8	1	01/18/11	01/18/11	JWG1100276	
Iodomethane (Methyl Iodide)	ND U	2.5	1.4	1	01/18/11	01/18/11	JWG1100276	
Carbon Disulfide	ND U	5.0	1.5	1	01/18/11	01/18/11	JWG1100276	
Methylene Chloride	ND U	10	0.11	1	01/18/11	01/18/11	JWG1100276	
Methyl tert-Butyl Ether	ND U	0.50	0.070	1	01/18/11	01/18/11	JWG1100276	
trans-1,2-Dichloroethene	ND U	0.50	0.060	1	01/18/11	01/18/11	JWG1100276	
1,1-Dichloroethane	ND U	0.50	0.065	1	01/18/11	01/18/11	JWG1100276	
Vinyl Acetate	ND U	5.0	0.95	1	01/18/11	01/18/11	JWG1100276	
cis-1,2-Dichloroethene	ND U	0.50	0.18	1	01/18/11	01/18/11	JWG1100276	
2-Butanone (MEK)	ND U	5.0	1.9	1	01/18/11	01/18/11	JWG1100276	
Bromochloromethane	ND U	0.50	0.14	1	01/18/11	01/18/11	JWG1100276	
Chloroform	ND U	0.50	0.18	1	01/18/11	01/18/11	JWG1100276	
1,1,1-Trichloroethane (TCA)	ND U	0.50	0.085	1	01/18/11	01/18/11	JWG1100276	
Carbon Tetrachloride	ND U	0.50	0.17	1	01/18/11	01/18/11	JWG1100276	
Benzene	ND U	0.50	0.11	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichloroethane (EDC)	ND U	0.50	0.090	1	01/18/11	01/18/11	JWG1100276	
Trichloroethene (TCE)	ND U	0.50	0.080	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichloropropane	ND U	0.50	0.060	1	01/18/11	01/18/11	JWG1100276	
Dibromomethane	ND U	1.0	0.090	1	01/18/11	01/18/11	JWG1100276	
Bromodichloromethane	ND U	0.50	0.085	1	01/18/11	01/18/11	JWG1100276	
cis-1,3-Dichloropropene	ND U	0.50	0.10	1	01/18/11	01/18/11	JWG1100276	
4-Methyl-2-pentanone (MIBK)	ND U	13	0.33	1	01/18/11	01/18/11	JWG1100276	
Toluene	ND U	0.50	0.095	1	01/18/11	01/18/11	JWG1100276	
trans-1,3-Dichloropropene	ND U	0.50	0.12	1	01/18/11	01/18/11	JWG1100276	
1,1,2-Trichloroethane	ND U	0.50	0.085	1	01/18/11	01/18/11	JWG1100276	
Tetrachloroethene (PCE)	ND U	0.50	0.055	1	01/18/11	01/18/11	JWG1100276	
2-Hexanone	ND U	13	1.1	1	01/18/11	01/18/11	JWG1100276	

**Comments:** 

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Form 1A - Organic

Analytical Results

Client: **Project:** 

EonCoat LLC **Product Testing** 

Sample Matrix:

Misc. solid

Service Request: J1100218 **Date Collected:** 01/17/2011

**Date Received:** 01/18/2011

## Volatile Organic Compounds by GC/MS

Sample Name:

Eon Coat Paint component Part B

Lab Code:

J1100218-002

**Extraction Method:** EPA 5035/5030B

**Analysis Method:** 

8260B

Units: mg/Kg Basis: Wet

Level: Med

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dibromochloromethane	ND U	0.50	0.095	1	01/18/11	01/18/11	JWG1100276	
1,2-Dibromoethane (EDB)	ND U	0.50	0.085	1	01/18/11	01/18/11	JWG1100276	
Chlorobenzene	ND U	0.50	0.080	1	01/18/11	01/18/11	JWG1100276	
1,1,1,2-Tetrachloroethane	ND U	0.50	0.090	1	01/18/11	01/18/11	JWG1100276	
Ethylbenzene	ND U	0.50	0.26	1	01/18/11	01/18/11	JWG1100276	
m,p-Xylenes	ND U	1.0	0.52	1	01/18/11	01/18/11	JWG1100276	The second secon
o-Xylene	ND U	0.50	0.070	1	01/18/11	01/18/11	JWG1100276	
Styrene	ND U	0.50	0.15	1	01/18/11	01/18/11	JWG1100276	
Bromoform	ND U	1.0	0.21	1	01/18/11	01/18/11	JWG1100276	
1,1,2,2-Tetrachloroethane	ND U	0.50	0.055	1	01/18/11	01/18/11	JWG1100276	
1,2,3-Trichloropropane	ND U	1.0	0.21	1	01/18/11	01/18/11	JWG1100276	
trans-1,4-Dichloro-2-butene	ND U	10	1.1	1	01/18/11	01/18/11	JWG1100276	
1,3-Dichlorobenzene	ND U	0.50	0.065	1	01/18/11	01/18/11	JWG1100276	
1,4-Dichlorobenzene	ND U	0.50	0.050	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichlorobenzene	ND U	0.50	0.25	1	01/18/11	01/18/11	JWG1100276	
1,2-Dibromo-3-chloropropane (DE	ND U	2.5	1.2	1	01/18/11	01/18/11	JWG1100276	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note	
1,2-Dichloroethane-d4	103	56-147	01/18/11	Acceptable	
4-Bromofluorobenzene	101	61-133	01/18/11	Acceptable	
Dibromofluoromethane	92	65-136	01/18/11	Acceptable	
Toluene-d8	107	80-130	01/18/11	Acceptable	

**Comments:** 

Merged

Analytical Results

Client: EonCoat LLC Service Request: J1100218

Project:Product TestingDate Collected:NASample Matrix:SoilDate Received:NA

**Volatile Organic Compounds by GC/MS** 

Sample Name:Method BlankUnits:mg/KgLab Code:JWG1100276-4Basis:Wet

Extraction Method: EPA 5035/5030B Level: Med

**Analysis Method:** 8260B

Analyte Name	Result Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND U	0.20	0.023	1	01/18/11	01/18/11	JWG1100276	
Chloromethane	ND U	0.10	0.011	1	01/18/11	01/18/11	JWG1100276	
Vinyl Chloride	ND U	0.10	0.022	1	01/18/11	01/18/11	JWG1100276	
Bromomethane	ND U	0.10	0.022	1	01/18/11	01/18/11	JWG1100276	
Chloroethane	ND U	0.50	0.022	1	01/18/11	01/18/11	JWG1100276	
Trichlorofluoromethane	ND U	0.50	0.022	1	01/18/11	01/18/11	JWG1100276	
1,1-Dichloroethene	ND U	0.10	0.016	1	01/18/11	01/18/11	JWG1100276	and the second s
Acetone	ND U	5.0	0.56	1	01/18/11	01/18/11	JWG1100276	
Iodomethane (Methyl Iodide)	ND U	0.50	0.27	1	01/18/11	01/18/11	JWG1100276	
Carbon Disulfide	ND U	1.0	0.30	1	01/18/11	01/18/11	JWG1100276	
Methylene Chloride	ND U	2.0	0.021	1	01/18/11	01/18/11	JWG1100276	
Methyl tert-Butyl Ether	ND U	0.10	0.014	1	01/18/11	01/18/11	JWG1100276	
trans-1,2-Dichloroethene	ND U	0.10	0.012	1	01/18/11	01/18/11	JWG1100276	
1,1-Dichloroethane	ND U	0.10	0.013	1	01/18/11	01/18/11	JWG1100276	
Vinyl Acetate	ND U	1.0	0.19	1	01/18/11	01/18/11	JWG1100276	
cis-1,2-Dichloroethene	ND U	0.10	0.036	1	01/18/11	01/18/11	JWG1100276	
2-Butanone (MEK)	ND U	1.0	0.38	1	01/18/11	01/18/11	JWG1100276	
Bromochloromethane	ND U	0.10	0.027	1	01/18/11	01/18/11	JWG1100276	
Chloroform	ND U	0.10	0.035	1	01/18/11	01/18/11	JWG1100276	
1,1,1-Trichloroethane (TCA)	ND U	0.10	0.017	1	01/18/11	01/18/11	JWG1100276	
Carbon Tetrachloride	ND U	0.10	0.034	1	01/18/11	01/18/11	JWG1100276	
Benzene	ND U	0.10	0.021	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichloroethane (EDC)	ND U	0.10	0.018	1	01/18/11	01/18/11	JWG1100276	
Trichloroethene (TCE)	ND U	0.10	0.016	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichloropropane	ND U	0.10	0.012	1	01/18/11	01/18/11	JWG1100276	
Dibromomethane	ND U	0.20	0.018	1	01/18/11	01/18/11	JWG1100276	
Bromodichloromethane	ND U	0.10	0.017	1	01/18/11	01/18/11	JWG1100276	
cis-1,3-Dichloropropene	ND U	0.10	0.020	1	01/18/11	01/18/11	JWG1100276	
4-Methyl-2-pentanone (MIBK)	ND U	2.5	0.065	1	01/18/11	01/18/11	JWG1100276	
Toluene	ND U	0.10	0.019	1	01/18/11	01/18/11	JWG1100276	
trans-1,3-Dichloropropene	ND U	0.10	0.023	1	01/18/11	01/18/11	JWG1100276	
1,1,2-Trichloroethane	ND U	0.10	0.017	1	01/18/11	01/18/11	JWG1100276	
Tetrachloroethene (PCE)	ND U	0.10	0.011	1	01/18/11	01/18/11	JWG1100276	
2-Hexanone	ND U	2.5	0.22	1	01/18/11	01/18/11	JWG1100276	

Comments:	

Analytical Results

Client: Project:

EonCoat LLC Product Testing

Sample Matrix:

Soil

Service Request: J1100218

Date Collected: NA
Date Received: NA

### Volatile Organic Compounds by GC/MS

Sample Name: Lab Code: Method Blank

Zao coue.

JWG1100276-4

Extraction Method:

EPA 5035/5030B

**Analysis Method:** 

8260B

Units: mg/Kg
Basis: Wet

Level: Med

				Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	MDL	Factor	Extracted	Analyzed	Lot	Note
Dibromochloromethane	ND U	0.10	0.019	1	01/18/11	01/18/11	JWG1100276	
1,2-Dibromoethane (EDB)	ND U	0.10	0.017	1	01/18/11	01/18/11	JWG1100276	
Chlorobenzene	ND U	0.10	0.016	1	01/18/11	01/18/11	JWG1100276	***************************************
1,1,1,2-Tetrachloroethane	ND U	0.10	0.018	1	01/18/11	01/18/11	JWG1100276	
Ethylbenzene	ND U	0.10	0.052	1	01/18/11	01/18/11	JWG1100276	
m,p-Xylenes	ND U	0.20	0.11	1	01/18/11	01/18/11	JWG1100276	
o-Xylene	ND U	0.10	0.014	1	01/18/11	01/18/11	JWG1100276	
Styrene	ND U	0.10	0.029	1	01/18/11	01/18/11	JWG1100276	
Bromoform	ND U	0.20	0.042	1	01/18/11	01/18/11	JWG1100276	
1,1,2,2-Tetrachloroethane	ND U	0.10	0.011	1	01/18/11	01/18/11	JWG1100276	
1,2,3-Trichloropropane	ND U	0.20	0.042	1	01/18/11	01/18/11	JWG1100276	
trans-1,4-Dichloro-2-butene	ND U	2.0	0.22	1 .	01/18/11	01/18/11	JWG1100276	
1,3-Dichlorobenzene	ND U	0.10	0.013	1	01/18/11	01/18/11	JWG1100276	
1,4-Dichlorobenzene	ND U	0.10	0.010	1	01/18/11	01/18/11	JWG1100276	
1,2-Dichlorobenzene	ND U	0.10	0.050	1	01/18/11	01/18/11	JWG1100276	
1,2-Dibromo-3-chloropropane (DF	ND U	0.50	0.23	1	01/18/11	01/18/11	JWG1100276	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note	
1,2-Dichloroethane-d4	104	56-147	01/18/11	Acceptable	
4-Bromofluorobenzene	100	61-133	01/18/11	Acceptable	
Dibromofluoromethane	100	65-136	01/18/11	Acceptable	
Toluene-d8	103	80-130	01/18/11	Acceptable	

**Comments:** 

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Analytical Results

Client: **Project:** 

Sample Matrix:

EonCoat LLC **Product Testing** 

Misc. solid

Service Request: J1100218 Date Collected: 01/17/2011

**Date Received:** 01/18/2011

# Hazardous Air Pollutants (HAPS) by GC-FID

Sample Name:

Eon Coat Paint component Part A

Lab Code:

J1100218-001

Units: mg/Kg Basis: NA

**Extraction Method:** METHOD

Level: Low

**Analysis Method:** 

NCASI HAPS-99.01

				Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	MDL	Factor	Extracted	Analyzed	Lot	Note
Acetaldehyde	ND U	10	2.5	10	01/18/11	01/18/11	JWG1100266	
Methanol	ND U	10	3.9	10	01/18/11	01/18/11	JWG1100266	
Propionaldehyde	ND U	10	4.0	10	01/18/11	01/18/11	JWG1100266	
Methyl Ethyl Ketone	ND U	10	1.5	10	01/18/11	01/18/11	JWG1100266	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note	
Cyclopentanol	105	50-150	01/18/11	Acceptable	

**Comments:** 

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Analytical Results

Client:

EonCoat LLC

**Project:** 

**Product Testing** 

Service Request: J1100218 **Date Collected:** 01/17/2011

Sample Matrix:

Misc. solid

**Date Received:** 01/18/2011

# Hazardous Air Pollutants (HAPS) by GC-FID

Sample Name:

Eon Coat Paint component Part B

Units: mg/Kg Basis: NA

Lab Code:

J1100218-002

**Extraction Method:** 

**METHOD** 

Level: Low

**Analysis Method:** 

NCASI HAPS-99.01

				Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	MDL	Factor	Extracted	Analyzed	Lot	Note
Acetaldehyde	ND U	10	2.5	10	01/18/11	01/18/11	JWG1100266	
Methanol	ND U	10	3.9	10	01/18/11	01/18/11	JWG1100266	
Propionaldehyde	ND U	10	4.0	10	01/18/11	01/18/11	JWG1100266	
Methyl Ethyl Ketone	ND U	10	1.5	10	01/18/11	01/18/11	JWG1100266	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note	
Cyclopentanol	106	50-150	01/18/11	Acceptable	

**Comments:** 

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Analytical Results

Client:

EonCoat LLC

**Project:** 

**Product Testing** 

**Sample Matrix:** 

Water

Service Request: J1100218

Date Collected: NA Date Received: NA

# Hazardous Air Pollutants (HAPS) by GC-FID

Sample Name:

Method Blank

Lab Code:

JWG1100266-4

Units: mg/Kg Basis: NA

**Extraction Method:** METHOD

**Analysis Method:** 

Level: Low

NCASI HAPS-99.01

				Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	MDL	Factor	Extracted	Analyzed	Lot	Note
Acetaldehyde	ND U	1.0	0.25	1	01/17/11	01/18/11	JWG1100266	
Methanol	ND U	1.0	0.39	1	01/17/11	01/18/11	JWG1100266	
Propionaldehyde	ND U	1.0	0.40	1	01/17/11	01/18/11	JWG1100266	
Methyl Ethyl Ketone	ND U	1.0	0.15	1	01/17/11	01/18/11	JWG1100266	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note	
Cyclopentanol	89	50-150	01/18/11	Acceptable	

**Comments:** 

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Form 1A - Organic

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RR37518 SuperSet Reference:



			Cooler Receipt For	m			
Client:	EONCOP	4- January	Service Requ	iest#:	116	20215	3
Project:	EonCoat	Paint				· January	ı
Cooler re	eceived on \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	8-11	and opened o	n (.18.1	<b>\</b> by	<u>OK</u>	<u> </u>
COURIE	ER: CAS UPS FEDE	X Client Oth	er	Airbill #_ <u>_</u>	28898	E07159	2599090
1	Were custody seals	on outside of cool	er?		Yes	No	
	If yes, how many an	d where?			#: on	lid	other
2	Were seals intact an	d signature and da	te correct?		Yes	No	N/A
3	Were custody papers	s properly filled or	ut?	0	Yes	No	N/A
4	Temperature of cooler	(s) upon receipt (SI	nould be $> 0$ °C and $< 6$ °C	) Koo	Tw	gm.	-
5.	Thermometer ID			······	ALG		
6	Temperature Blank	Present?			Yes	No	
7	Were Ice or Ice Pack	ks present			Ice	Ice Packs	No
8	Did all bottles arrive	in good condition	n (unbroken, etc)	?	Yes	No	N/A
9	Type of packing mat	terial present			Netting	Vial Holde	r Bubble Wrap
					Paper	Styrofoam	Other N/A
10	Were all bottle label	s complete (sampl	e ID, preservation,	etc)?	Yes	No	N/A
11	Did all bottle labels	and tags agree wit	h custody papers?		Yes	No	N/A
12	Were the correct bot	tles used for the t	ests indicated?	(	Yes	No	N/A
13	Were all of the preserved HNO3 pH<2 H2SO4 Preservative additions noted be	pH<2 ZnAc2/N			Yes Cl pH<2	No (	N/A
14	Were all samples rec	eived within anal	ysis holding times?		Yes	No	N/A
15	Were VOA vials checked	I for absence of air bul	obles? If present, note b	elow	Yes	No (	N/A
16	Where did the bottle	s originate?			CAS	Client	
	Sample ID	Reagent	Lot#	ml added	Initials I	Date/Time	
	V						
Additions	al comments and/or expl	anation of all disc	renancies noted abo	ve.			
	Tommond when or expr		2 - panetos notou do	· · · ·			
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Name and the Control of Control o							
							1 <i>E</i>
Client app	proval to run samples if	discrepancies note	ed:			Date:	15

Date: 1.18.11 Initials

Jacksonville Laboratory

Condition Upon Receipt - Sample pH

Note that pH is check and meets the required pH criterion listed in the column heading unless otherwise noted on the cooler receipt form.

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### MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION September 15, 2010

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT NUMBER

#### PRODUCT NAME

Eon Coat Paint component Part A

#### MANUFACTURER'S NAME

EonCoat, LLC. 4000 Airport Drive Wilson, NC 27896 Phone 1-252-360-3110

**Telephone Numbers and Websites** 

relephone rumbers and websites	
Product Information	(252) 360-3110
	www.eoncoat.com
Regulatory Information	(252) 360-3110
	www.eoncoat.com
Transportation Emergency *	(800) 424-9300
* for chemical emergency ONLY (sp	ill, leak, fire, exposure, or accident)

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS number	Hazardous Ingredients Units Vapor Pressure	
7664-38-2	Phosphoric Acid	
	OSHA PEL 1mg/m <sup>3</sup> Respirable Fraction	

# SECTION 3 - HAZARDS IDENTIFICATION

#### **Routes of Exposure**

INHALATION of spray mist

EYE or SKIN contact with the product, or spray mist

**Effects of Over Exposure** 

EYES: Irritation

SKIN: Prolonged or repeated exposure may cause irritation. INHALATION: Irritation of the upper respiratory system.

#### Signs and Symptoms of Overexposure

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

#### Medical Conditions Aggravated by Exposure

None generally recognized

**HMIS Codes** 

Health	1
Flammability	0
Reactivity	0

JUN 10050

### **SECTION 4 – FIRST AID MEASURES**

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water. **INHALATION:** If affected, remove from exposure. **Ingestion:** Do not induce vomiting. Get medical attention.

### **SECTION 5 – FIRE FIGHTING MEASURES**

FLASH POINT LEL UEL FLAMMABILITY CLASSIFICATION

N/A N/A None

#### **EXTINGUISHING MEDIA**

This material is neither flammable nor fuel for flame. Use media such as Carbon Dioxide, Dry Chemicals for primary fire.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

None

#### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spay may be used.

### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

### STEPS TO BE TAKEN IN CASE OF MATERIAL IS SPILLED OR RELEASED

Sweep or vacuum up and place in an appropriate container. Clean up residual material by washing area with water and detergent.

Swiped solid material should be neutralized before final disposal. Soda ash or sodium bicarbonate may be used to neutralize. When discarded or spilled, this product is neither a hazardous waste as defined in current federal regulations 40 CFR, Part 261 (RCRA) nor toxic pollutant as currently defined by the federal EPA per section 307 of the clean water act.

Disposal information: Dispose of in a landfill in accordance with local, state, and federal regulations.

#### SECTION 7 – HANDLING AND STORAGE

### STORAGE CATEGORY

Not Applicable

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approve containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

#### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PRECAUTIONS TO BE TAKEN IN USE

Use with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing spray mist.

Wash hand after using.

This coating may contain materials classified as nuisance particulates, which may be only present during sanding or abrading of dried film/coating.

#### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in section 2 in maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

#### RESPIRATORY PROTECTION

If personal exposure can not be controlled below applicable limits by ventilation, wear a properly fitted respirator approved by NIOSH/MSHA for protection. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

#### PROTECTIVE GLOVES

Required for long or repeated contact. Any type of chemical resistance gloves can be used.

#### **EYE PROTECTION**

Wear safety spectacles with imperforated sideshilds.

### **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Odor

Viscous suspension/ No odor

**Product Weight** 

14 lb/ gallons

1500 g/1

**Specific Gravity** 

1.7 Not available

**Boiling Point Melting Point** Volatile Volume

Not available

**Evaporation Rate** 

~30% Slower than ether

Vapor Density

N/A

Solubility in Water

N/A 3 - 5

**Volatile Organic Compounds (VOCs)** 

 $0 \, g / 1$ 

Less water 0 g/l**Emitted VOC** 

### SECTION 10 – STABILITY AND REACTIVITY

Stability

Stable

**Conditions to Avoid** 

None known None known

Incompatibility **Decomposition product** 

By fire: Oxides of phosphate and potassium

### SECTION 11 – TOXICOLOGICAL INFORMATION

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

Ingestion of large quantities of this material may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps.

### SECTION 12 – ECOLOGICAL INFORMATION

No data available

### SECTION 13 – DISPOSAL CONSIDERATIONS

#### Waste Disposal Methods

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. For additional information refer section 6.

### SECTION 14 – TRANSPORTATION INFORMATION

#### US Ground (DOT), Canada (TDG), IMO

Not regulated for transportation

### **SECTION 15 – REGULATORY INFORMATION**

### SARA 313 (40 CFR 372.65 C) SUPPLIER NOTIFICATION

No ingredient is this product are subject to SARA 313 (40 CFR 372.65C) supplier notification TSCA Certification

All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory

### **SECTION 16 – OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers/other commercially available additives to the product may substantially alter the composition and hazards of the 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.



### MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION September 15, 2010

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT NUMBER

#### PRODUCT NAME

Eon Coat Paint component Part B

### MANUFACTURER'S NAME

EonCoat, LLC. 4000 Airport Drive Wilson, NC 27896 Phone 1-252-360-3110

**Telephone Numbers and Websites** 

Product Information	(252) 360-3110				
	www.eoncoat.com				
Regulatory Information	(252) 360-3110				
	www.eoncoat.com				
Transportation Emergency *	(800) 424-9300				
* for chemical emergency ONLY (spill, leak, fire, exposure, or accident)					

### **SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

CAS number	Hazardous Ingredients	Units	Vapor Pressure
01309-42-8	Magnesium Hydroxide		
	OSHA PEL	15 mg/m <sup>3</sup> Total Dust	
	OSHA PEL	10 mg/m <sup>3</sup> Respirable Fraction	

### **SECTION 3 – HAZARDS IDENTIFICATION**

#### **Routes of Exposure**

INHALATION of spray mist

EYE or SKIN contact with the product, or spray mist

# **Effects of Over Exposure**

EYES: Irritation

SKIN: Prolonged or repeated exposure may cause irritation. INHALATION: Irritation of the upper respiratory system.

### Signs and Symptoms of Overexposure

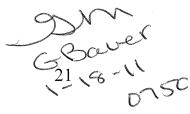
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### **Medical Conditions Aggravated by Exposure**

None generally recognized

HMIS Codes

1
0
0



### **SECTION 4 – FIRST AID MEASURES**

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water. **INHALATION:** If affected, remove from exposure. **Ingestion:** Do not induce vomiting. Get medical attention.

### **SECTION 5 – FIRE FIGHTING MEASURES**

FLASH POINT LEL UEL FLAMMABILITY CLASSIFICATION

N/A N/A None

#### **EXTINGUISHING MEDIA**

This material is neither flammable nor fuel for flame. Use media such as Carbon Dioxide, Dry Chemicals for primary fire.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

None

#### SPECIAL FIRE FIGHTING PROCEDURES

None. Water spay may be used.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IN CASE OF MATERIAL IS SPILLED OR RELEASED

Sweep or vacuum up and place in an appropriate container. Clean up residual material by washing area with water and detergent.

Swiped solid material should be neutralized before final disposal. When discarded or spilled, this product is neither a hazardous waste as defined in current federal regulations 40 CFR, Part 261 (RCRA) nor toxic pollutant as currently defined by the federal EPA per section 307 of the clean water act. Disposal information: Dispose of in a landfill in accordance with local, state, and federal regulations.

### SECTION 7 – HANDLING AND STORAGE

#### STORAGE CATEGORY

Not Applicable

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approve containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PRECAUTIONS TO BE TAKEN IN USE

Use with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing spray mist.

Wash hand after using.

This coating may contain materials classified as nuisance particulates, which may be only present during sanding or abrading of dried film/coating.

#### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in section 2 in maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

#### RESPIRATORY PROTECTION

If personal exposure can not be controlled below applicable limits by ventilation, wear a properly fitted respirator approved by NIOSH/MSHA for protection. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

#### PROTECTIVE GLOVES

Required for long or repeated contact. Any type of chemical resistance gloves can be used.

#### **EYE PROTECTION**

Wear safety spectacles with imperforated sideshilds.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor Suspension (Slurry)/ No odor

Product Weight 12 lbs/ gallons 1500 g/1

Specific Gravity1.5Boiling PointN/AMelting PointN/AVolatile Volume~40%

**Evaporation Rate** Slower than ether

Vapor Density N/A Solubility in Water N/A pH 9-11

Volatile Organic Compounds (VOCs) 0 g/1 Less water

0 g/l Emitted VOC

### SECTION 10 – STABILITY AND REACTIVITY

**Stability** Stable

Conditions to Avoid None known Incompatibility None known

**Decomposition product** By fire: Oxide of Magnesium

#### SECTION 11 – TOXICOLOGICAL INFORMATION

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

Ingestion of large quantities of this material may cause an osmotic catharsis resulting in diarrhea and probable abdominal crams.

#### **SECTION 12 – ECOLOGICAL INFORMATION**

No data available

#### **SECTION 13 – DISPOSAL CONSIDERATIONS**

#### **Waste Disposal Methods**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. For additional information refer section 6.

### SECTION 14 – TRANSPORTATION INFORMATION

#### US Ground (DOT), Canada (TDG), IMO

Not regulated for transportation

### **SECTION 15 - REGULATORY INFORMATION**

### SARA 313 (40 CFR 372.65 C) SUPPLIER NOTIFICATION

No ingredient is this product are subject to SARA 313 (40 CFR 372.65C) supplier notification TSCA Certification

All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory

### **SECTION 16 – OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers/other commercially available additives to the product may substantially alter the composition and hazards of the 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.