

HPD UNIQUE IDENTIFIER: 35438881792

CLASSIFICATION: 09 96 56 Epoxy Coatings

PRODUCT DESCRIPTION: Apcoflor Epoxy putty is a two component solvent free epoxy putty pigmented with inert pigments. It is used to fill minor concrete defects like blow holes and imperfections prior to epoxy, polyurethane and polyurea coatings.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold Level, Residuals/Impurities Evaluation, and Characterized/Screened/Identified. Includes options for reporting methods, thresholds, and evaluation results.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®.

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1
Nanomaterial ... No

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
EXTENDER 1 [ TALC BM-1 ] CAN | MAM QUARTZ BM-1 ] CAN | MAM | GEN ] RESIN / BINDER [ BISPHENOL A EPICHLOROHYDRIN POLYMER LT-P1 ] MUL | SKI | EYE | AQU ] FILLER [ QUARTZ BM-1 ] CAN | MAM | GEN ] CURING AGENT [ POLYETHYLENEPOLYAMINE, DIMER FATTY ACID CONDENSATE BM-1 ] MUL | SKI | EYE ] PIGMENT [ TITANIUM DIOXIDE BM-1 ] CAN | END | MAM ] EXTENDER 2 [ BARIUM SULFATE BM-2 ] CAN | MAM QUARTZ BM-1 ] CAN | MAM | GEN ]

INVENTORY AND SCREENING NOTES:

This HPD was produced using primary information from the manufacturer, including CAS numbers and SDS when needed. The manufacturer has made every effort to report the substances in this product to the listed threshold.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): <1 Regulatory (g/l): 50
Does the product contain exempt VOCs: No
Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC content: MAS Certified Green - VOC Content

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Summary table with 3 columns: Third Party Verified?, PREPARER: Self-Prepared, VERIFIER: VERIFICATION #:, SCREENING DATE: 2025-06-26, PUBLISHED DATE: 2025-07-31, EXPIRY DATE: 2028-06-26.

## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-3-standard](http://www.hpd-collaborative.org/hpd-2-3-standard)

### EXTENDER 1

#: 10.0000 - 25.0000

PRODUCT THRESHOLD: 100 ppm      RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes      MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The actual percentage of composition has been withheld to protect proprietary formulation details and intellectual property rights.

### TALC

ID: 14807-96-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2025-06-26 0:29:44

#: 97.0000 - 99.0000      GreenScreen: BM-1      RC: UNK      NANO: No      SUBSTANCE ROLE: Filler

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2a - Agent is probably Carcinogenic to humans
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Actinolite, anthophyllite and tremolite may occur in some talc deposits; when asbestiform, they constitute asbestos and, when not asbestiform, they are referred to as mineral fragments or cleavage fragments." and "Minerals commonly found in talc products include chlorite and carbonate. Less commonly, talc products contain tremolite, anthophyllite and serpentine." - Pharos database

### QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library      HAZARD SCREENING DATE: 2025-06-26 0:29:45

#: 0.1000 - 3.0000

GreenScreen: **BM-1**

RC: **None**

NANO: **No**

SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: According to the Pharos database, Talc deposits frequently contain other minerals, including quartz. They can be present at <1 to 3% of the talc. SDSs for talc often list quartz at 0.1-3.5%.

**RESIN / BINDER**

#: 20.0000 - 25.0000

PRODUCT THRESHOLD: 100 ppm    RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes    MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The actual percentatge of composition has been withheld to protect proprietary formulation details and intellectual property rights.

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-06-26 4:33:44**

%: **100.0000**      GreenScreen: **LT-P1**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Binder**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand	Skin sensitisation category 1
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 2
AQU	GHS - Japan	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Japan	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Australia	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Core Restrictions
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025  Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

PRODUCT THRESHOLD: 100  
ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED:  
Yes

MATERIAL TYPE: Geologically Derived  
Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2025-06-26 4:32:47**

%: **99.0000 - 99.9000**      GreenScreen: **BM-1**      RC: **None**      NANO: **No**      SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The primary health hazard associated with crystalline silica (quartz) is related to the inhalation of respirable dust generated during activities that produce dust.

**CURING AGENT**

%: **10.0000 - 20.0000**

PRODUCT THRESHOLD: 100 ppm      RESIDUALS AND IMPURITIES EVALUATION COMPLETED: **Yes**      MATERIAL TYPE: **Polymeric Material**

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The actual percentatge of composition has been withheld to protect proprietary formulation details and intellectual property rights.

**POLYETHYLENEPOLYAMINE, DIMER FATTY ACID  
CONDENSATE**

ID: 68410-23-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 4:55:50**

%: **100.0000** GreenScreen: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Curing agent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
SKI	GHS - New Zealand	Skin corrosion category 1C
EYE	GHS - New Zealand	Serious eye damage category 1
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: According to the SDS, information concerning this ingredient is considered a trade secret. The manufacturer did not release any additional information beyond the SDS. Data gaps were addressed using information from the Pharos database and publicly available PDS/SDS documentation relevant to the material in question. Therefore, the composition and ingredient listed are intended for informational and screening purposes only and are not 100% guaranteed to be present in the actual product.

**PIGMENT**

%: **1.0000 - 10.0000**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Percentages are shown as a range to protect the actual formulation.

**TITANIUM DIOXIDE**

ID: 13463-67-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:29:44**

%: **100.0000** GreenScreen: **BM-1** RC: **UNK** NANO: **Unknown** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Cosmetics & Personal Care Products
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)  Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP11)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024  Cosmetics and Personal Care Products

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

**EXTENDER 2**

**%: 5.0000 - 10.0000**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: Percentages are shown as a range to protect the actual formulation.

## BARIUM SULFATE

ID: 7727-43-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 4:35:03**

#: **98.0000 - 99.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022  Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024  Children's Toy Products

SUBSTANCE NOTES:

## QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 4:35:30**

#: **0.1000 - 1.7000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Barium sulfate contains 1.7% crystalline silica (quartz) - CIMBAR Performance Minerals SDS

## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

### VOC EMISSIONS

### CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Third Party

ISSUE DATE: 2024-11-09 00:00:00

CERTIFIER OR LAB: Middle East

APPLICABLE FACILITIES: Berger Paints Emirates Ltd. Co.

EXPIRY DATE:

Testing Services L.L.C.

L.L.C. P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Report # MR-171024-324

### VOC CONTENT

### MAS Certified Green - VOC Content

CERTIFYING PARTY: Third Party

ISSUE DATE: 2023-08-03 00:00:00

CERTIFIER OR LAB: Dubai Central

APPLICABLE FACILITIES: Berger Paints Emirates Ltd. Co.

EXPIRY DATE:

Laboratory Department

L.L.C. P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: This is not a MAS Certified Green – VOC Content certification; however, it is the only available option to comply with the HPDC requirements. The third-party certifier reported the VOC content, Dubai Central Laboratory Department, under report # 624229

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

## Section 5: General Notes

### Uses

As a filling compound for metal and masonry.

Readily accepts any topcoats or lining.

Skim coat

Repair of imperfections in coatings

General re profiling

Bedding mortar

### Characteristics

Excellent resistance to salt water and jet fuel.

Excellent sag resistance.

Nontoxic.

Smooth and uniform finish.

Suitable for applications from a thin fairing coat up to 3mm.

### Coverage

1.5 kg/m<sup>2</sup> Depending on the nature of substrate

**MANUFACTURER INFORMATION**

MANUFACTURER: **Berger Paints Emirates Ltd. Co. L.L.C.**  
 ADDRESS: **P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.**  
**Dubai, Dubai 27524**  
 COUNTRY: **United Arab Emirates**

WEBSITE: **https://www.asianpaints.com/**  
 CONTACT NAME: **Shirouz Sharafuddeen**  
 TITLE: **Officer - Technology**  
 PHONE: **00971-43391000**  
 EMAIL: **shirouz.sharafuddeen@asianpaints.com**

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> No GreenScreen.
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://hpd-collaborative.org)).

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.*

*The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.*

*The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and*





# ميديل ايست لخدمات الفحص Middle East Testing Services



## TEST REPORT

Report No.: MR-171024-325

**Client / Establishment** : M/s. Berger Paints Emirates Ltd co (LLC)  
Al Qouz Indl Area-1,  
Opp TCTI factory, P O Box: 27524,  
Dubai, United Arab Emirates

Sample ID : MS-171024-328  
Sample Receiving Date : 17/10/2024  
Reporting Date : 24/10/2024  
Date of Analysis : 18/10/2024-23/10/2024  
Tested by : TM  
Issue No : 01 (Re-Issue Date: NA)

### Sample Information:

Sample Description : Apcoflor Epoxy Putty

### Test Results:

Parameter	Test Method	Unit	Result
Volatile Organic Compound (VOC)	USEPA 24	g/L	<1

**Note:** No traceability details were provided by client

**Test Location:** Ajman

**Prepared by**

**Team Head**

**Material Science Division (MSD)**  
**Employee Code: METS AJ EC 110**

**Verified by**

**Assistant Laboratory Manager**  
**Employee Code: METS AJ EC 103**

The above test results are only applicable to the sample (s) referred above. This report shall not be reproduced except in full, without the written approval of METS laboratory.

For further clarification of reports, please contact [qc@metslab.com](mailto:qc@metslab.com)

-End of Report-



# ميديل ايست لخدمات الفحص Middle East Testing Services



STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL (VOC) EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS VERSION 1.2-CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)

(Emission testing method for California Specification 01350)

## Laboratory Report

### 1. Introduction

Middle East Testing Laboratory L.L.C (METS) were contacted by Berger Paints Emirates Ltd co (LLC) and requested to perform 14 days emission test as per CDPH Method.

Client : Berger Paints Emirates Ltd co (LLC)  
Al Qouz Indl Area-1, Opp TCTI factory, P O Box: 27524 - Dubai, UAE  
Report No : MR-171024-324  
Reporting Date : 09/11/2024  
Tested by : SH  
Date of Analysis : 17/10/2024-09/11/2024  
Issue No : 01 (Re-Issue Date: NA)

### 2. Sample Information

Sample Description : Apcoflor Epoxy Putty

### 3. Brief Evaluation of the Results:

MS-171024-327	TVOC and Individual VOC's of Concern		Formaldehyde	
	Criterion	Compliance	Criterion	Compliance
	TVOC: <0.5 mg/m <sup>3</sup>	<b>PASS</b>	≤9.0µg/m <sup>3</sup>	<b>PASS</b>
	Individual VOC: < Limit	<b>PASS</b>		

Details furnished in following pages

Prepared by

Team Head  
Material Science Division (MSD)  
Employee Code: METS AJ EC 110



Verified by

Assistant Laboratory Manager  
Employee Code: METS AJ EC 103

Report No.: MR-171024-324

#### 4. Test Method

Standard Method for the Testing and Evaluation of VOC Emissions from Indoor Sources using Environmental Chambers, version 1.2 of January 2017 by the California Department of Public Health (CDPH Method).

For evaluation of test results the principle of shared risk is applied, i.e., for a max limit, a result Less than or equal to the limit complies and a result Greater than the limit does not comply.

#### 5. Sample Preparation

The Apcoflor Epoxy Putty was mixed vigorously until it is fully homogenous and 482gm of pain was coated on a steel plate which has an area of 0.36 m<sup>2</sup>

#### 6. Test Procedure

Principle: To determine the specific emission rates of VOC's emitted from the tested specimen. The test was conducted in a small-scale environmental chamber at specified constant conditions of temperature, relative humidity, ventilation rate and product loading factor. The chamber is considered to be a constantly stirred tank reactor. As the air in the chamber is fully mixed, VOC concentrations measured at the chamber exhaust represents the air concentrations in the chamber. From the airflow rate into the chamber, the VOC concentration, and the exposed surface area of the specimen, an area-specific emission rate or emission factor is calculated using the steady-state form of the mass-balance model.

The specimens were placed in a separate conditioning container in a room with controlled climate conditions of temperature  $23 \pm 1^\circ\text{C}$  and  $50 \pm 4\%$  RH. After 10 days  $\pm 5$  h of conditioning the specimens were placed in a 1 m<sup>3</sup> emission chamber of stainless steel. Air samplings, minimum duplicates, were carried out after 24, 48 and 96 hours in the chamber.

#### Conditions in the emission chamber

Chamber volume	: 1.0 m <sup>3</sup> , stainless steel
Temperature	: $23 \pm 1^\circ\text{C}$
Relative humidity	: $50 \pm 4\%$ RH
Area of test specimen	: 0.36 m <sup>2</sup>
Area specific air flow rate	: 2.0 m <sup>3</sup> /m <sup>2</sup> h
Air exchange rate	: 1.0 h <sup>-1</sup>
Air velocity at specimen surface	: 0.1 – 0.3 m/s

The air samples from the chamber were collected into a collection vessel containing sorbent materials. VOCs are determined by GC comparing the chromatographic retention time and mass spectrum of the unknown to the corresponding parameters for the pure compound analyzed on the same. Matching retention times and mass spectra provide positive, confirmed identifications.

The capillary column used is RXi-624 Sil MS – 30m x 0.32mm x 1.8 $\mu\text{m}$ . The mass/charge ratio is used for compound identification. The total volatile organic compounds (TVOC) mean compounds eluting between and including n-hexane to hexadecane, having boiling points in the range of about 60-250 °C. The emission rate of TVOC is quantified with known equivalent standard and includes all compounds  $ca \geq 1 \mu\text{g}/\text{m}^3$  in the chamber. Minimum duplicate air samples were taken and the results are mean values. Sampled volumes are 3 to 8 L.

The samplings of formaldehyde and acetaldehyde were carried out with DNPH samplers. The samplers were analyzed similar to ISO 16000-3:2011(Indoor air-Part 3: Determination of formaldehyde and other carbonyl compounds – Active sampling method). This means analysis on a liquid chromatograph with absorbance detector. Duplicate air samples were taken and the results are mean values. Sampled volumes were 60 to 80 L.

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## 7. Results

The results in Table 1, 2 and 3 are expressed as concentrations in the test chamber and as area specific emission rates. Calculation of emission rate from chamber concentration:

$$SER_l = \frac{Conc \times n}{L}$$

SER<sub>l</sub> = area specific emission rate, in µg/m<sup>2</sup>h

Conc = concentration of a VOC in the chamber, in µg/m<sup>3</sup>

n = air exchange rate, in changes per hour

L = loading factor, in m<sup>2</sup>/m<sup>3</sup> (area of sample/volume of chamber)

### Test results of TVOC and formaldehyde after 24 hours and 48 hours

**Table 1**

Test results of Apcoflor Epoxy Putty, after 24 h

Volatile organic compound	CAS number	Retention time (min)	Concentration in the chamber (µg/m <sup>3</sup> )	Emission rate (µg/m <sup>2</sup> h)
<b>After 24 h:</b>				
TVOC (C6 – C16)	--	5.9-40.1	< 20	< 50
Formaldehyde	50-00-0	--	< 1	< 1

**Table 2**

Test results of Apcoflor Epoxy Putty, after 48 h

Volatile organic compound	CAS number	Retention time (min)	Concentration in the chamber (µg/m <sup>3</sup> )	Emission rate (µg/m <sup>2</sup> h)
<b>After 48 h:</b>				
TVOC (C6 – C16)	--	5.9-40.1	< 20	< 50
Formaldehyde	50-00-0		< 1	< 1

Test results of TVOC and VOCs after 96 hours

Table 3

Test results of Apcoflor Epoxy Putty, after 96 h

Volatile organic compound	CAS number	Retention time (min)	Concentration in the chamber (µg/m <sup>3</sup> )	Emission rate (µg/m <sup>2</sup> h)
TVOC (C6 – C16)	--	5.9-40.1	< 20	< 50
<b>Identified substances:</b>				
No substances identified	--	--	< 2	< 4
<b>Volatile Carcinogens 1</b>		5.9-40.1		
No substances identified	--	--	< 1	< 1
<b>Substances outside TVOC:</b>				
<b>VVOC (&lt; C6)</b>		4.5 – 6.2		
No substances identified	--	--	< 2	< 4
<b>SVOC (C16 – C22)</b>		37.9 - 50.0		
No substances identified	--	--	< 2	< 4
Formaldehyde	50-00-0	--	< 1	< 1
Acetaldehyde	75-07-0	--	< 1	< 1

1) Volatile carcinogens = VOCs according to EU Regulation No 1272/2008 Annex VI, cat 1A and 1B

The emission results in Table 4 are expressed as area emission rates (in µg/m<sup>2</sup>h) and as concentrations in a standard private office and in a standard school classroom (in µg/m<sup>3</sup>). Calculation of concentration of VOC in the standard private office from emission rate:

$$C = (SER \times A) \div (n \times V)$$

C = concentration of VOC in the private office, in µg/m<sup>3</sup>  
 SER= area specific emission rate of the tested product, in µg/m<sup>2</sup>h  
 A = surface area of the tested product, in m, here 33.4 m, (wall area)  
 n = air ventilation rate, in changes per hour, here 0.68 h<sup>-1</sup>  
 V = volume of a private office in m<sup>3</sup>, here 30.6 m<sup>3</sup>

In the standard private office, the floor area is 11.1 m<sup>2</sup>, the wall area is 33.4 m<sup>2</sup>, door & other millwork 1.89 m<sup>2</sup> and wall base area 1.27 m<sup>2</sup>. In a standard school classroom, the floor area is 89.2 m<sup>2</sup>, the wall area is 94.6 m<sup>2</sup>, wall base area 9.68 m<sup>2</sup>, air ventilation rate 0.82 h<sup>-1</sup> and the volume of the room is 231 m<sup>3</sup>. Wall area is used for the calculations



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Test results of the estimated concentrations in a standard private office and a standard school classroom scenario according to the target VOCs according to one-half of the CREL list (compound 1-35) and non-listed compounds:

Table 4

Estimated concentrations in a standard private office and a standard school classroom

No	Volatile organic compound	CAS number	Emission rate (µg/m <sup>2</sup> h)	Concentration in private office (µg/m <sup>3</sup> )	Concentration in school classroom (µg/m <sup>3</sup> )
1.	Acetaldehyde	75-07-0	ND	< 3	< 1
2.	Benzene	71-43-2	ND	<0.3	<0.3
3.	Carbon disulfide	75-15-0	ND	< 3	< 1
4.	Carbon tetrachloride	56-23-5	ND	< 3	< 1
5.	Chlorobenzene	108-90-7	ND	< 3	< 1
6.	Chloroform	67-66-3	ND	< 3	< 1
7.	Dichlorobenzene (1,4-)	106-46-7	ND	< 3	< 1
8.	Dichloroethylene (1,1)	75-35-4	ND	< 3	< 1
9.	Dimethylformamide (N, N-)	68-12-2	ND	< 3	< 1
10.	Dioxane (1,4-)	123-91-1	ND	< 3	< 1
11.	Epichlorohydrin	106-89-8	ND	< 3	< 1
12.	Ethylbenzene	100-41-4	ND	< 3	< 1
13.	Ethylene glycol	107-21-1	ND	< 3	< 1
14.	Ethylene glycol mono ethyl ether	110-80-5	ND	< 3	< 1
15.	Ethylene glycol mono ethyl ether	111-15-9	ND	< 3	< 1
16.	Ethylene glycol monomethyl ether	109-86-4	ND	< 3	< 1
17.	Ethylene glycol monomethyl ether	110-49-6	ND	< 3	< 1
18.	Formaldehyde	50-00-0	ND	< 3	< 1
19.	n-Hexane	110-54-3	ND	< 3	< 1
20.	Iso-phorone	78-59-1	ND	< 3	< 1
21.	Isopropanol	67-63-0	ND	< 3	< 1
22.	Methyl chloroform	71-55-6	ND	< 3	< 1
23.	Methylene chloride	75-09-2	ND	< 3	< 1
24.	Methyl t-butyl ether	1634-04-4	ND	< 3	< 1
25.	Naphthalene	91-20-3	ND	< 3	< 1

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Table 4 Cont.

No	Volatile organic compound	CAS number	Emission rate (µg/m <sup>2</sup> h)	Concentration in private office (µg/m <sup>3</sup> )	Concentration in school classroom (µg/m <sup>3</sup> )
26.	Phenol	108-95-2	ND	< 3	< 1
27.	Propylene glycol monomethyl ether	107-98-2	ND	< 3	< 1
28.	Styrene	100-42-5	ND	< 3	< 1
29.	Tetrachloroethylene	127-18-4	ND	< 3	< 1
30.	Toluene	108-88-3	ND	< 3	< 1
31.	Trichloroethylene	79-01-6	ND	< 3	< 1
32.	Vinyl acetate	108-05-4	ND	< 3	< 1
33-35	Xylenes (m-, o-, p-)	108-38-3, 95-47-6, 106-42-3	ND	< 3	< 1
	TVOC (C6 – C16)	-	< 20	< 30	< 10
	SVOC (C16 – C22)	-	<2	<3	<1

ND = not detected (detection limit is approx. 2 µg/m<sup>2</sup>h)

#### Evaluation of the test results

The tested product Apcoflor Epoxy Putty complies with the requirements of the Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers, version 1.2, 2017, by the California Department of Public Health.

The test results can be used to evaluate compliance with the indoor air emission requirements of LEEDv4 and BREEAM International (2016 & 2021), see Table 5 and 6. The sample is evaluated as floor product.



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Table 5.  
Standard private office: Compliance with LEED v4 and BREEAM International (2016 & 2021)

	Concentration in private office (mg/m <sup>3</sup> )	Maximum allowable conc. (mg/m <sup>3</sup> )	PASS / FAIL
<b>LEEDv4</b>			
TVOC	<0.010	0.5 mg/m <sup>3</sup> or less	<b>PASS</b>
		between 0.5 and 5.0 mg/m <sup>3</sup>	-
		5.0 mg/m <sup>3</sup> or more	-
Acetaldehyde	< 0.003	0.070	<b>PASS</b>
Formaldehyde	< 0.003	0.009	<b>PASS</b>
Single VOC compounds found with defined CREL:	ND	According to list of CREL (see App 3)	<b>PASS</b>
<b>BREEAM International (2016 &amp; 2021)</b>			
TVOC	<0.010	1.0 (emission criteria)	<b>PASS</b>
		0.3 (exemplary level emission criteria)	<b>PASS</b>
SVOC	< 0.003	0.1 (exemplary level emission criteria)	<b>PASS</b>
Carc cat 1A+1B	< 0.001	0.001	<b>PASS</b>
Formaldehyde	< 0.003	0.06 (emission criteria)	<b>PASS</b>
		0.01 (exemplary level emission criteria)	<b>PASS</b>



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Table 6.  
Standard school classroom: Compliance with LEED v4 and BREEAM International (2016 & 2021)

	Concentration in private office (mg/m <sup>3</sup> )	Maximum allowable conc. (mg/m <sup>3</sup> )	PASS / FAIL
<b>LEEDv4</b>			
TVOC	<0.010	0.5 mg/m <sup>3</sup> or less	<b>PASS</b>
		between 0.5 and 5.0 mg/m <sup>3</sup>	-
		5.0 mg/m <sup>3</sup> or more	-
Acetaldehyde	< 0.001	0.070	<b>PASS</b>
Formaldehyde	< 0.001	0.009	<b>PASS</b>
Single VOC compounds found with defined CREL:	ND	According to list of CREL (see App 3)	<b>PASS</b>
<b>BREEAM International (2016 &amp; 2021)</b>			
TVOC	<0.010	1.0 (emission criteria)	<b>PASS</b>
		0.3 (exemplary level emission criteria)	<b>PASS</b>
SVOC	<0.001	0.1 (exemplary level emission criteria)	<b>PASS</b>
Carc cat 1A+1B	< 0.001	0.001	<b>PASS</b>
Formaldehyde	< 0.001	0.06 (emission criteria)	<b>PASS</b>

**Appendices:**

1. Target CREL VOCs and their maximum allowable concentrations

The above test report shall not be reproduced (except in full) without the written approval of METS. When analysis is witnessed by us or carried out by sub-contract labs, our responsibility is solely to ensure that the analysis is conducted to standard test methods in accordance with industry accepted practice.

For further clarification of reports, please contact [gc@metslab.com](mailto:gc@metslab.com)



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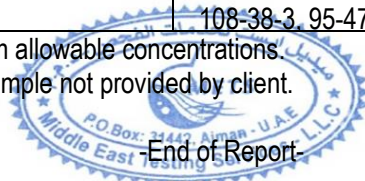
APPENDIX I

Sl. No	Volatile organic compound	CAS number	Maximum allowable conc. ( $\mu\text{g}/\text{m}^3$ )
1.	Acetaldehyde	75-07-0	70
2.	Benzene	71-43-2	0.3
3.	Carbon disulfide	75-15-0	400
4.	Carbon tetrachloride	56-23-5	20
5.	Chlorobenzene	108-90-7	500
6.	Chloroform	67-66-3	150
7.	Dichlorobenzene (1,4-)	106-46-7	400
8.	Dichloroethylene (1,1)	75-35-4	35
9.	Dimethylformamide (N, N-)	68-12-2	40
10.	Dioxane (1,4-)	123-91-1	1 500
11.	Epichlorohydrin	106-89-8	1.5
12.	Ethylbenzene	100-41-4	1 000
13.	Ethylene glycol	107-21-1	200
14.	Ethylene glycol mono ethyl ether	110-80-5	35
15.	Ethylene glycol mono ethyl ether acetate	111-15-9	150
16.	Ethylene glycol monomethyl ether	109-86-4	30
17.	Ethylene glycol monomethyl ether acetate	110-49-6	45
18.	Formaldehyde	50-00-0	9
19.	n-Hexane	110-54-3	3 500
20.	Iso-phorone	78-59-1	1 000
21.	Isopropanol	67-63-0	3 500
22.	Methyl chloroform	71-55-6	500
23.	Methylene chloride	75-09-2	200
24.	Methyl t-butyl ether	1634-04-4	4 000
25.	Naphthalene	91-20-3	4.5
26.	Phenol	108-95-2	100
27.	Propylene glycol monomethyl ether	107-98-2	3 500
28.	Styrene	100-42-5	450
29.	Tetrachloroethylene	127-18-4	17.5
30.	Toluene	108-88-3	150
31.	Trichloroethylene	79-01-6	300
32.	Vinyl acetate	108-05-4	100
33-35	Xylenes (m-, o-, p-)	108-38-3, 95-47-6, 106-42-3	350

Target CREL VOCs and their maximum allowable concentrations.

**Remarks:** Traceability details of the sample not provided by client.

**Test Location:** Ajman



-End of Report-