

ECOS Atmosphere Purifying White Base by Imperial Paints, LLC

Health Product Declaration v2.0

CLASSIFICATION: 09 06 90.00 FINISHES: SCHEDULES FOR PAINTING AND COATING

created via: HPDC Online Builder

PRODUCT DESCRIPTION: THE ECOS ATMOSPHERE PURIFYING WHITE BASE INCORPORATES MOLECULAR SIEVE TECHNOLOGY THAT ABSORBS COMMON VOC MOLECULES DOWN TO 1 PPM, INCLUDING FORMALDEHYDE, ACETONE, XYLENE, TOLUENE, GLYCOLS, BENZENE AND OTHERS. THE ECOS ATMOSPHERE PURIFYING WHITE BASE IS USED FOR WALLS AND CEILING APPLICATIONS AND IS DESIGNED TO REMAIN EFFECTIVE THROUGHOUT THE TERM OF A NORMAL REDECORATION CYCLE, APPROXIMATELY 5-10 YEARS.

Section 1: Summary

CONTENT INVENTORY

<p>Threshold per material</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> 100 ppm <input type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Per OSHA MSDS <input type="radio"/> Other 	<p>Residuals and impurities considered in 0 of 1 materials</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> see Section 2: Material Notes <input checked="" type="radio"/> see Section 5: General Notes 	<p>Based on the selected Content Inventory Threshold:</p> <p>Characterized..... <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Are the Percent Weight and Role provided for all substances?</p> <p>Screened..... <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Are all substances screened using Priority Hazard Lists with results disclosed?</p> <p>Identified..... <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Are all substances disclosed by Name (Specific or Generic) and Identifier?</p>
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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®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

PAINT [WATER **BM-4** TITANIUM DIOXIDE **LT-1** | CAN **UNDISCLOSED** **LT-UNK** KAOLIN CLAY (CALCINED) **LT-P1** | MUL LIMESTONE; CALCIUM CARBONATE **LT-UNK** SILICA, AMORPHOUS **LT-UNK** ALUMINUM OXIDE **LT-UNK** | RES ZIRCONIUM DIOXIDE **LT-UNK** **UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **LT-UNK** HECTORITE **LT-UNK** SODIUM OXIDE **LT-UNK** GLYCERIN **LT-UNK** **UNDISCLOSED** **LT-1** | CAN | MUL QUARTZ **LT-1** | CAN SILOXANES AND SILICONES, DIMETHOXY-TERMINATED **LT-UNK** **UNDISCLOSED** **LT-UNK** **UNDISCLOSED** **LT-P1** | MAM | SKI | EYE | AQU | END | MUL **UNDISCLOSED** **LT-P1** | MUL **UNDISCLOSED** **UNK** **UNDISCLOSED** **LT-P1** | SKI | AQU | RES | MUL XANTHAN GUM **LT-UNK** **UNDISCLOSED** **LT-P1** | MUL]

Number of Greenscreen BM-4/BM3 contents..... 1

Contents highest concern GreenScreen Benchmark or List translator Score..... **LT-1**

Nanomaterial..... No

INVENTORY AND SCREENING NOTES:

This HPD has previously been Third Party Verified by ToxServices LLC under the HPD 1.0 Third Party Verification Pilot Program.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: U.S. EPA SW-846 Method 8260B (VOC); EPA SW-846 Method 8015C (Organics); EPA Method 8315A (Formaldehyde). SM 2540G (Volatile Solids)
VOC content: ASTM D-4236 Certification of Toxicological Risk Assessment for Decorative and Artistic Paints
Other: BS-EN-71-3 Test for Heavy Metals in Paints and Coatings for use in Children's Toys

See Section 3 for additional listings.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: December 1, 2016	EXPIRY DATE*: December 1, 2019
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: April 21, 2017	* or within 3 months of significant change in product contents
*See HPDC website for details			

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

KAOLIN CLAY (CALCINED)

ID: 66402-68-4

%: 6.6000 GS: LT-P1 RC: None NANO: NO ROLE: Extender Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 5.5700 GS: LT-UNK RC: None NANO: NO ROLE: Extender Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

SILICA, AMORPHOUS

ID: 7631-86-9

%: 3.8100 GS: LT-UNK RC: None NANO: NO ROLE: Foam Control Agent / Extender Pigment / Adsorbents Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

ALUMINUM OXIDE

ID: 1344-28-1

%: 3.0000 GS: LT-UNK RC: None NANO: NO ROLE: Extender Pigment / Adsorbents Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

ZIRCONIUM DIOXIDE

ID: 1314-23-4

%: 0.3800	GS: LT-UNK	RC: None	NANO: NO	ROLE: Extender Pigment
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

UNDISCLOSED

%: 0.2900	GS: LT-UNK	RC: None	NANO: NO	ROLE: Rheological Additive Component
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

UNDISCLOSED

%: 0.2500 - 1.2000	GS: LT-UNK	RC: None	NANO: NO	ROLE: Binder Component
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

HECTORITE

ID: 12173-47-6

%: 0.2100	GS: LT-UNK	RC: None	NANO: NO	ROLE: Rheological Additive Component
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HAZARDS:**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

SODIUM OXIDE

ID: 1313-59-3

%: 0.2000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Adsorbents
Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

GLYCERIN

ID: 56-81-5

%: 0.1200

GS: LT-UNK

RC: None

NANO: NO

ROLE: Retarder
Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

UNDISCLOSED

%: 0.1100

GS: LT-1

RC: None

NANO: NO

ROLE: Foam Control
Agent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R45 - May cause cancer

CANCER

EU - GHS (H-Statements)

H350 - May cause cancer

CANCER

EU - REACH Annex XVII CMRs

Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE

ChemSec - SIN List

CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

CANCER

EU - Annex VI CMRs

Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

QUARTZ

ID: 14808-60-7

%: 0.0500

GS: LT-1

RC: None

NANO: NO

ROLE: Extender Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen (form-specific or based on limited exposure pathways)
CANCER	IARC	Group 1: Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED

ID: 70131-67-8

%: 0.0500 - 0.0900 GS: LT-UNK RC: None NANO: NO ROLE: Rheology Modifier Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

UNDISCLOSED

%: 0.0300 - 0.2500 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

UNDISCLOSED

%: 0.0300 - 0.2500 GS: LT-P1 RC: None NANO: NO ROLE: Binder Component

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN EU - R-phrases R21 - Harmful in Contact with Skin

MAMMALIAN EU - R-phrases R22 - Harmful if Swallowed

SKIN IRRITATION EU - R-phrases R38 - Irritating to skin

EYE IRRITATION	EU - R-phrases	R41 - Risk of serious damage to eyes
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life M = 10
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

UNDISCLOSED

%: 0.0200	GS: LT-P1	RC: None	NANO: NO	ROLE: Rheological Additive Component
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
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SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

UNDISCLOSED

%: 0.0200 - 0.0500	GS: UNK	RC: None	NANO: NO	ROLE: Rheology Modifier Component
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found	No warnings found on HPD Priority lists	
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SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

UNDISCLOSED

%: 0.0200	GS: LT-P1	RC: None	NANO: NO	ROLE: Rheological Additive Component
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION	EU - R-phrases	R34 - Causes burns
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ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rr&Rs) - irritant-induced & sensitizer-induced
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
SKIN IRRITATION	EU - GHS (H-Statements)	H314 - Causes severe skin burns and eye damage
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

XANTHAN GUM

ID: 11138-66-2

%: 0.0200	GS: LT-UNK	RC: None	NANO: NO	ROLE: Thickener Component
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

UNDISCLOSED

%: 0.0000 - 0.0100	GS: LT-P1	RC: None	NANO: NO	ROLE: Rheology Modifier Component
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.



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 CONTENT

ASTM D-4236 Certification of Toxicological Risk Assessment for Decorative and Artistic Paints

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2012-08-

EXPIRY DATE: 0000-00-

CERTIFIER OR LAB: ASTM

APPLICABLE FACILITIES:

30

00

International

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE

NOTES:

VOC EMISSIONS

U.S. EPA SW-846 Method 8260B (VOC); EPA SW-846 Method 8015C (Organics); EPA Method 8315A (Formaldehyde). SM 2540G (Volatile Solids)

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2014-03-05

EXPIRY DATE: 0000-00-00

CERTIFIER OR LAB:

APPLICABLE FACILITIES:

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE

NOTES:

OTHER

BS-EN-71-3 Test for Heavy Metals in Paints and Coatings for use in Children's Toys

CERTIFYING PARTY: Self-declared

ISSUE DATE: 2012-01-25

EXPIRY DATE: 0000-00-00

CERTIFIER OR LAB:

APPLICABLE FACILITIES:

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

+ 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.

📄 Section 5: General Notes

In preparation of the this HPD, Imperial Paints worked with an independent second party to obtain full ingredient formulation disclosure to address both intentionally added ingredients and residuals/impurities. It has been determined that no residuals or impurities are present in the ECOS Atmosphere Purifying White Base formulation above 100 ppm (0.01%).



MANUFACTURER INFORMATION

MANUFACTURER: Imperial Paints, LLC

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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

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

Hazard Types

AQU Aquatic toxicity

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) BM-2
Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient
information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data to benchmark)

UNK Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)

Independent Lab Manufacturer's self-declaration using results from an independent lab

Second Party Verification by trade association or other interested party

Third Party Verification by independent certifier

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

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

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD Open Standard noted.