

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

created via: HPDC Online Builder

PRODUCT DESCRIPTION: THE ECOS CLEAR GLOSS VARNISH IS A HIGH SHEEN, WASHABLE, DURABLE FILM IDEAL FOR INTERIOR APPLICATIONS SUCH AS FLOORS, DOORS, TRIM, WINDOWS, SHUTTERS, AND FURNITURE.

**Section 1: Summary**

**CONTENT INVENTORY**

- Threshold per material
- 100 ppm
  - 1,000 ppm
  - Per GHS SDS
  - Per OSHA MSDS
  - Other

- Residuals and impurities considered in 0 of 1 materials
- see Section 2: Material Notes
  - see Section 5: General Notes

Based on the selected Content Inventory Threshold:

Characterized.....	<input checked="" type="radio"/>	<input type="radio"/>
Are the Percent Weight and Role provided for all substances?	Yes	No
Screened.....	<input type="radio"/>	<input checked="" type="radio"/>
Are all substances screened using Priority Hazard Lists with results disclosed?	Yes	No
Identified.....	<input type="radio"/>	<input checked="" type="radio"/>
Are all substances disclosed by Name (Specific or Generic) and Identifier?	Yes	No

**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.

Number of Greenscreen BM-4/BM3 contents..... 1  
 Contents highest concern GreenScreen Benchmark or List translator Score..... LT-P1  
 Nanomaterial..... No

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

VARNISH [ DISPERSION THICKENER UNK WATER BM-4 ACRYLIC POLYMER EMULSION UNK UNDISCLOSED LT-UNK UNDISCLOSED UNK UNDISCLOSED LT-UNK AMMONIUM HYDROXIDE LT-P1 | SKI | AQU | RES | MUL UNDISCLOSED LT-UNK | RES ETHOXYLATED-2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL LT-P1 | MUL UNDISCLOSED BM-2 POLYETHYLENE LT-UNK 1,4-DIISOBUTYL-1,4-DIMETHYLBUTYNE DIOL LT-UNK UNDISCLOSED LT-P1 | MUL UNDISCLOSED LT-UNK ]

**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



## Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: [www.hpd-collaborative.org](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### VARNISH

%: 100.0000 HPD URL:

Inventory Threshold: 100 ppm Residuals Considered: No

Material Notes: Entire product is considered as one homogeneous material.

#### DISPERSION THICKENER

ID: N/A

%: 58.2000

GS: UNK

RC: None

NANO: NO

ROLE: Dispersion Thickener

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation. Ingredient MSDS identifies that with the current knowledge of the supplier, and in the concentrations applicable, the undisclosed ingredient is not considered hazardous to health and environment. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

#### WATER

ID: 7732-18-5

%: 27.1900

GS: BM-4

RC: None

NANO: NO

ROLE: Vehicle

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

#### ACRYLIC POLYMER EMULSION

ID: N/A

%: 1.9000

GS: UNK

RC: None

NANO: NO

ROLE: Acrylic Polymer 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

%: 0.6800      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. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

UNDISCLOSED

%: 0.6200      GS: 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

%: 0.5600      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. Chemical Trade Name and CAS# information is undisclosed due to it being considered proprietary information by the supplier to Imperial Paints.

AMMONIUM HYDROXIDE

ID: 1336-21-6

%: 0.3400      GS: LT-P1      RC: None      NANO: NO      ROLE: Binder Component / Acrylic Polymer Component

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

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.

**UNDISCLOSED**

%: 0.2800	GS: LT-UNK	RC: None	NANO: NO	ROLE: Retarder Component
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
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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.

**ETHOXYLATED-2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL**

ID: 9014-85-1

%: 0.1800	GS: LT-P1	RC: None	NANO: NO	ROLE: Surfactant
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**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
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SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

**UNDISCLOSED**

%: 0.1700	GS: BM-2	RC: None	NANO: NO	ROLE: Retarder 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.

**POLYETHYLENE**

ID: 9002-88-4

%: 0.1500      GS: LT-UNK      RC: None      NANO: NO      ROLE: Binder Component / Retarder Component

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

**1,4-DIISOBUTYL-1,4-DIMETHYLBUTYNEEDIOL**

ID: 126-86-3

%: 0.0700      GS: LT-UNK      RC: None      NANO: NO      ROLE: Surfactant

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Maximum % ingredient present in product formulation.

**UNDISCLOSED**

%: 0.0400      GS: LT-P1      RC: None      NANO: NO      ROLE: Retarder Component

**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.

**UNDISCLOSED**

%: 0.0100      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. 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  
APPLICABLE FACILITIES:  
CERTIFICATE URL:  
CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: 2012-08-30      EXPIRY DATE: 0000-00-00      CERTIFIER OR LAB: ASTM International

#### 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  
APPLICABLE FACILITIES:  
CERTIFICATE URL:  
CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: 2014-03-05      EXPIRY DATE: 0000-00-00      CERTIFIER OR LAB:

#### OTHER

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

CERTIFYING PARTY: Self-declared  
APPLICABLE FACILITIES:  
CERTIFICATE URL:  
CERTIFICATION AND COMPLIANCE NOTES:

ISSUE DATE: 2012-01-25      EXPIRY DATE: 0000-00-00      CERTIFIER OR LAB:

## + 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 Clear Gloss Varnish formulation above 100 ppm (0.01%).



### MANUFACTURER INFORMATION

MANUFACTURER: Imperial Paints, LLC

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ADDRESS: PO Box 489  
Fairforest, SC 29336  
USA

TITLE: Regional Sales Manager

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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.