

**CLASSIFICATION:** 12 50 00 Furniture

**PRODUCT DESCRIPTION:** Special oval eggs and egg variants used for SFO. These are all Corian(R) top versions, with plywood inner frames, stainless steel anti-rotation /lift retainer, power units and an HDPE plinth.

## Section 1: Summary

## Nested Method / Product Threshold

### CONTENT INVENTORY

#### Inventory Reporting Format

- Nested Materials Method  
 Basic Method

#### Threshold level

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

#### Residuals/Impurities

Residuals/Impurities  
Considered in 9 of 9 Materials

Explanation(s) provided  
for Residuals/Impurities?  
 Yes  No

*Are All Substances Above the Threshold Indicated:*

**Characterized**  Yes  No  
*Percent Weight and Role Provided?*

#### Threshold Disclosed Per

- Material  
 Product

**Screened**  Yes  No  
*Using Priority Hazard Lists with Results Disclosed?*

**Identified**  Yes  No  
*Name and Identifier Provided?*

### 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**

ACRYLIC WORK SURFACE [ ALUMINA TRIHYDRATE BM-2 | RES METHYL METHACRYLATE LT-P1 | RES | PHY | SKI | END UNDISCLOSED LT-P1 | MUL UNDISCLOSED NoGS UNDISCLOSED LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END CARBON BLACK LT-1 | CAN IRON OXIDE BLACK LT-UNK ZINC SULFIDE NoGS EPOXIDIZED SOYBEAN OIL LT-UNK BUTYL ACRYLATE LT-UNK | SKI | EYE IRON HYDROXIDE OXIDE YELLOW LT-UNK UNDISCLOSED LT-UNK ] PUREBOND FORMALDEHYDE FREE PLYWOOD [ WOOD NoGS FLOUR, SOY NoGS UNDISCLOSED NoGS ] STARBOARD [ POLYETHYLENE LT-UNK UNDISCLOSED NoGS ] RUSSIAN BIRCH PLYWOOD [ BIRCH NoGS UREA FORMALDEHYDE LT-P1 | RES ] POWER UNITS [ ALUMINUM LT-P1 | RES | PHY | END COPPER LT-UNK UNDISCLOSED NoGS POLYVINYL CHLORIDE (PVC) LT-P1 | RES ] STAINLESS STEEL RETAINER [ STAINLESS STEEL NoGS ] GL6800 PAINT [ ACRYLIC ACID, BUTYL ESTER, METHACRYLIC ACID, METHACRYLIC ACID, METHYL ESTER POLYMER LT-UNK ACRYLAMIDE LT-1 | CAN | DEV | REP | GEN | MAM | SKI | EYE | MUL WATER BM-4 TITANIUM DIOXIDE LT-1 | CAN | END AMMONIUM PERSULFATE LT-P1 | RES | PHY | SKI | EYE ] CARBON STEEL [ STEEL NoGS ] SILICONE [ POLYSILICONE-11 NoGS ]

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:

Materials or substances that correspond to 100% of the product weight meet the 1,000 ppm Threshold and are Screened

### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

### CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: SCS Indoor Advantage Gold - Classroom & Office scenario

#### CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2018-09-24  
PUBLISHED DATE: 2018-09-24  
EXPIRY DATE: 2021-09-24



## 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 2.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

**ACRYLIC WORK SURFACE**      %: 60.0000 - 70.0000      **HPD URL:**  
[http://www.corian.com/IMG/pdf/corian\\_acrylic\\_solid\\_surface\\_hpd\\_updated.pdf](http://www.corian.com/IMG/pdf/corian_acrylic_solid_surface_hpd_updated.pdf)

PRODUCT THRESHOLD: 1000 ppm      RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Acrylic Solid Surface products are comprised of reacted monomers and resins, inert mineral fillers, and colorants, and are manufactured in the form of sheets and shapes (sinks and wash basins). The material inputs for solid surface are encapsulated by polymerization of acrylic-based reactants in the manufacturing process. In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

OTHER MATERIAL NOTES: Certain aesthetics contain Filled Acrylic Particles which are ground solid surface sheet material.

### ALUMINA TRIHYDRATE

ID: 21645-51-2

%: 55.0000 - 65.0000      GS: **BM-2**      RC: **None**      NANO: **No**      ROLE: **Non-halogen fire retardant/smoke suppressant/inert filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Synonyms for Aluminum Trihydrate (ATH) are Hydrated, Alumina, Alimuinum Trihydroxide, and Aluminum Hydroxide. ATH is a chemically inert filler/pigment. Acrylic Solid Surface products are comprised of reacted monomers and resins, inert mineral fillers, and colorants, and are manufactured in the form of sheets and shapes (sinks and wash basins). The material inputs for solid surface are encapsulated by polymerization of acrylic-based reactants in the manufacturing process. In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

### METHYL METHACRYLATE

ID: 80-62-6

%: 5.0000 - 35.0000      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Polymer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H225 - Highly flammable liquid and vapour

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Acrylic materials include various kinds of conventional acrylic group monomers, acrylic group partial polymers, vinyl monomers for copolymerization other than acrylic group monomers, or oligomers. A particularly good and especially preferred monomer is methyl methacrylate (MMA). MMA is a reactive monomer substance and becomes incorporated into the acrylic polymer (acrylic resin) and in its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

**UNDISCLOSED**

#: **0.0000 - 1.0000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Cross-linking Agen**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: The reaction of a cross-linking, multifunctional reactive, substance forms a crosslinked network with the liquid acrylic-based polymerizable material. In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

**UNDISCLOSED**

#: **0.0000 - 1.5000**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **Cure Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cure agents, when activated, generate free radicals which then initiate the desired polymerization reactions and become incorporated into the acrylic polymer (acrylic resin). In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

**UNDISCLOSED**

#: **0.0000 - 0.7500**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Additive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Additive for cure agents, when activated, generate free radicals which then initiate the desired polymerization reactions and become incorporated into the acrylic polymer (acrylic resin). In its finished form, solid surface material is an article, is nontoxic and nonallergic to humans.

**TITANIUM DIOXIDE**

ID: **13463-67-7**

#: **0.0000 - 3.0000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**CANCER**

US CDC - Occupational Carcinogens

Occupational Carcinogen

**CANCER**

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

**SUBSTANCE NOTES:** Epoxidized soy bean oil (ESBO) is a common carrier for as delivered colorant/pigment dispersions, use of ESBO to deliver pigment dispersions containing certain pigments including titanium dioxide or carbon black functions to reduce and/or eliminate inhalable dust hazards of these colorants/pigments in a solid surface manufacturing process. Acrylic Solid Surface products are comprised of reacted monomers and resins, inert mineral fillers, and colorants, and are manufactured in the form of sheets and shapes (sinks and wash basins). The material inputs for solid surface are encapsulated by polymerization of acrylic-based reactants in the manufacturing process. In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

### CARBON BLACK

ID: 1333-86-4

#: **0.0000 - 3.0000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **Colorant**

HAZARDS:      AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:** Epoxidized soy bean oil (ESBO) is a common carrier for as delivered colorant/pigment dispersions, use of ESBO to deliver pigment dispersions containing certain pigments including titanium dioxide or carbon black functions to reduce and/or eliminate inhalable dust hazards of these colorants/pigments in a solid surface manufacturing process. Acrylic Solid Surface products are comprised of reacted monomers and resins, inert mineral fillers, and colorants, and are manufactured in the form of sheets and shapes (sinks and wash basins). The material inputs for solid surface are encapsulated by polymerization of acrylic-based reactants in the manufacturing process. In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

### IRON OXIDE BLACK

ID: 12227-89-3

#: **0.0000 - 2.0000**      GS: **LT-UNK**      RC: **None**      NANO: **No**      ROLE: **Colorant**

HAZARDS:      AGENCY(IES) WITH WARNINGS:

None Found      No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Epoxidized soy bean oil (ESBO) is a common carrier for as delivered colorant/pigment dispersions, use of ESBO to deliver pigment dispersions containing certain pigments including titanium dioxide or carbon black functions to reduce and/or eliminate inhalable dust hazards of these colorants/pigments in a solid surface manufacturing process. Acrylic Solid Surface products are comprised of reacted monomers and resins, inert mineral fillers, and colorants, and are manufactured in the form of sheets and shapes (sinks and wash basins). The material inputs for solid surface are encapsulated by polymerization of acrylic-based reactants in the manufacturing process. In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

### ZINC SULFIDE

ID: 37187-67-0

#: **0.0000 - 2.5000**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **Colorant**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Epoxidized soy bean oil (ESBO) is a common carrier for as delivered colorant/pigment dispersions, use of ESBO to deliver pigment dispersions containing certain pigments including titanium dioxide or carbon black functions to reduce and/or eliminate inhalable dust hazards of these colorants/pigments in a solid surface manufacturing process. Acrylic Solid Surface products are comprised of reacted monomers and resins, inert mineral fillers, and colorants, and are manufactured in the form of sheets and shapes (sinks and wash basins). The material inputs for solid surface are encapsulated by polymerization of acrylic-based reactants in the manufacturing process. In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

**EPOXIDIZED SOYBEAN OIL**

ID: 8013-07-8

%: 0.0000 - 2.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Additive

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Epoxidized soy bean oil (ESBO) is a common carrier for as delivered colorant/pigment dispersions, use of ESBO to deliver pigment dispersions containing certain pigments including titanium dioxide or carbon black functions to reduce and/or eliminate inhalable dust hazards of these colorants/pigments in a solid surface manufacturing process.

**BUTYL ACRYLATE**

ID: 141-32-2

%: 0.0000 - 10.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Polymerizable reactive monomer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

SKIN SENSITIZE

MAK

Sensitizing Substance Sh - Danger of skin sensitization

SUBSTANCE NOTES: Acrylic materials include various kinds of conventional acrylic group monomers, acrylic group partial polymers, vinyl monomers for copolymerization other than acrylic group monomers, or oligomers. Butyl Acrylate is a reactive monomer substance and becomes incorporated into the acrylic polymer (acrylic resin) and in its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

**IRON HYDROXIDE OXIDE YELLOW**

ID: 20344-49-4

%: 0.0000 - 2.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Colorant

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Epoxidized soy bean oil (ESBO) is a common carrier for as delivered colorant/pigment dispersions, use of ESBO to deliver pigment dispersions containing certain pigments including titanium dioxide or carbon black functions to reduce and/or eliminate inhalable dust hazards of these colorants/pigments in a solid surface manufacturing process. Acrylic Solid Surface products are comprised of reacted monomers and resins, inert mineral fillers, and colorants, and are manufactured in the form of sheets and shapes (sinks and wash basins). The material inputs for solid surface are encapsulated by polymerization of acrylic-based reactants in the

manufacturing process. In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

## UNDISCLOSED

#: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Cure Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Cure agents, when activated, generate free radicals which then initiate the desired polymerization reactions and become incorporated into the acrylic polymer (acrylic resin). In its finished form, solid surface material is an article, is nontoxic and non-allergic to humans.

## PUREBOND FORMALDEHYDE FREE PLYWOOD

#: **10.0000 - 15.0000**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered.

OTHER MATERIAL NOTES: Soyad™ adhesive technology is a patented, formaldehyde-free adhesive system from Ashland that is widely used to manufacture environmentally-friendly hardwood plywood panels. Soyad adhesives are used to produce panels with veneer, particleboard or medium-density fiberboard cores. The strength provided by a Soyad adhesive is comparable to that of formaldehyde-based adhesives. Soyad adhesives are cost competitive with formaldehyde-based adhesives and, in most cases, cost less than other no-added-formaldehyde (NAF) technologies. Soyad adhesives are water-based systems formulated with natural soy flour and a proprietary cross-linking resin. When blended together the resin reacts with the protein in the soy flour to form a durable and water-resistant thermoset adhesive. The Soyad adhesive can be customized as needed to meet your specific operational and manufacturing requirements.

## WOOD

ID: **Not registered**

#: **96.0000 - 96.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Plywood Ply**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: FSC Certified Softwood is used for each layer of this plywood

## FLOUR, SOY

ID: **68513-95-1**

#: **0.0000 - 4.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **adhesive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Soyad adhesives are water-based systems formulated with natural soy flour and a proprietary cross-linking resin. When blended together the resin reacts with the protein in the soy flour to form a durable and water-resistant thermoset adhesive.

**UNDISCLOSED**

%: **0.0000 - 1.0000**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **cross linker**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Cross-linking for resin**

**STARBOARD**

%: **9.0000 - 12.0000**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **High Density Polyethylene may have a ethylene residual that are re-captured during production**

OTHER MATERIAL NOTES: **High density polyethylene (HDPE) resins are polymers of ethylene or copolymers of ethylene and an alpha-olefin monomer such as 1-hexene, 1-butene or 1-octene. Compared to other polyethylene resins, HDPE resins are characterized by greater toughness, stronger mechanical properties, and higher service temperatures.**

**POLYETHYLENE**

ID: **9002-88-4**

%: **99.0000 - 100.0000**      GS: **LT-UNK**      RC: **Both**      NANO: **No**      ROLE: **Polymer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **All green King Plastic products are made from only FDA-approved polymers that are formaldehyde-free and have the most favorable NFPA (fire) and HMIS (hazardous material) ratings. • Non-polluting • No acids or harsh chemicals for cleaning • Completely recyclable • Made from FDA-approved polymers**

**UNDISCLOSED**

%: **0.0000 - 0.5000**      GS: **NoGS**      RC: **None**      NANO: **No**      ROLE: **Stabilizer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Used as a stabilizer**

**RUSSIAN BIRCH PLYWOOD**

%: **2.0000 - 4.0000**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **Residuals and impurities were looked at but not found**

OTHER MATERIAL NOTES: **Russian Birch Plywood is FSC Certified**

**BIRCH**ID: **Not registered**

%: <b>90.0000 - 95.0000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>FSC Wood used for each plywood ply</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Russian Birch is FSC certified

**UREA FORMALDEHYDE**ID: **9011-05-6**

%: <b>5.0000 - 10.0000</b>	GS: <b>LT-P1</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Resin</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Urea Formaldehyde is used as a cross-linking adhesive for this plywood material.

**POWER UNITS**%: **1.0000 - 2.0000**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**RESIDUALS AND IMPURITIES NOTES: **Residuals and impurities were considered.**OTHER MATERIAL NOTES: **These are power units.****ALUMINUM**ID: **7429-90-5**

%: <b>25.0000 - 50.0000</b>	GS: <b>LT-P1</b>	RC: <b>Both</b>	NANO: <b>No</b>	ROLE: <b>Structure</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H261 - In contact with water releases flammable gases

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: **Housings****COPPER**ID: **7440-50-8**

%: <b>20.0000 - 25.0000</b>	GS: <b>LT-UNK</b>	RC: <b>UNK</b>	NANO: <b>No</b>	ROLE: <b>Electrical Conductor</b>
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HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Wires

**UNDISCLOSED**

#: 20.0000 - 25.0000 GS: NoGS RC: None NANO: No ROLE: Molded Plastic

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Common molded plastic materials.

**POLYVINYL CHLORIDE (PVC)**

ID: 9002-86-2

#: 5.0000 - 10.0000 GS: LT-P1 RC: None NANO: No ROLE: Electrical casings

HAZARDS: AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES: Electrical components have PVC casings.

**STAINLESS STEEL RETAINER**

#: 0.5000 - 1.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: This is a stainless steel retainer that is not coated or treated

OTHER MATERIAL NOTES: This is a stainless steel retainer that is not coated or treated.

**STAINLESS STEEL**

ID: 12597-68-1

#: 100.0000 - 100.0000 GS: NoGS RC: PostC NANO: No ROLE: Structure

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: This is a stainless steel retainer that is not coated or treated. Residuals and impurities were considered.

**GL6800 PAINT**

#: 0.5000 - 2.0000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on standard paint manufacturing methods.

OTHER MATERIAL NOTES: Paint is a standard low VOC latex paint. 3-6 SF of paint is required

**ACRYLIC ACID, BUTYL ESTER, METHACRYLIC ACID, METHACRYLIC ACID, METHYL ESTER POLYMER**

ID: 25035-69-2

#: **30.0000 - 32.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Acylic Latex

**ACRYLAMIDE**

ID: 79-06-1

#: **20.0000 - 30.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Resin**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US EPA - IRIS Carcinogens	(2005) Likely to be Carcinogenic to humans
CANCER	IARC	Group 2A - Agent is probably Carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
DEVELOPMENTAL	CA EPA - Prop 65	Developmental toxicity
REPRODUCTIVE	CA EPA - Prop 65	Reproductive Toxicity - Male
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	US NIH - Report on Carcinogens	Reasonably Anticipated to be Human Carcinogen
CANCER	EU - SVHC Authorisation List	Carcinogenic - Candidate list
DEVELOPMENTAL	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Developmental Toxicity
REPRODUCTIVE	US NIH - Reproductive & Developmental Monographs	Clear Evidence of Adverse Effects - Reproductive Toxicity
GENE MUTATION	EU - SVHC Authorisation List	Mutagenic - Candidate list
MAMMALIAN	EU - GHS (H-Statements)	H301 - Toxic if swallowed
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
GENE MUTATION	EU - GHS (H-Statements)	H340 - May cause genetic defects
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer
REPRODUCTIVE	EU - GHS (H-Statements)	H361f - Suspected of damaging fertility
ORGAN TOXICANT	EU - GHS (H-Statements)	H372 - Causes damage to organs through prolonged or repeated exposure

CANCER	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
GENE MUTATION	EU - REACH Annex XVII CMRs	Mutagen Category 2 - Substances which should be regarded as if they are Mutagenic to man
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
CANCER	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
MAMMALIAN	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
CANCER	Korea - GHS	Carcinogenicity - Category 1 [H350 - May cause cancer]
GENE MUTATION	Korea - GHS	Germ cell mutagenicity - Category 1 [H340 - May cause genetic defects]
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
GENE MUTATION	EU - Annex VI CMRs	Mutagen - Category 1B
GENE MUTATION	New Zealand - GHS	6.6A - Known or presumed human mutagens
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1B
GENE MUTATION	Japan - GHS	Germ cell mutagenicity - Category 1B
REPRODUCTIVE	Japan - GHS	Toxic to reproduction - Category 1B
GENE MUTATION	MAK	Germ Cell Mutagen 2
GENE MUTATION	Malaysia - GHS	H340 - May cause genetic defects
CANCER	Malaysia - GHS	H350 - May cause cancer
GENE MUTATION	Australia - GHS	H340 - May cause genetic defects
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: Also used in polymer production

## WATER

ID: 7732-18-5

#: 20.0000 - 50.0000      GS: BM-4      RC: None      NANO: No      ROLE: Solvent

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Water based paint

**TITANIUM DIOXIDE**

ID: 13463-67-7

%: **1.0000 - 1.0000**      GS: **LT-1**      RC: **None**      NANO: **No**      ROLE: **pigment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: **Common colorant****AMMONIUM PERSULFATE**

ID: 7727-54-0

%: **0.1000 - 1.0000**      GS: **LT-P1**      RC: **None**      NANO: **No**      ROLE: **Oxidizing Agent**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY	AOEC - Asthmagens	Asthmagen (G) - generally accepted
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H272 - May intensify fire; oxidiser
SKIN IRRITATION	EU - GHS (H-Statements)	H315 - Causes skin irritation
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
RESPIRATORY	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
RESPIRATORY	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES: **Salt****CARBON STEEL**%: **0.0000 - 1.0000**

HPD URL:

PRODUCT THRESHOLD: **1000 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**

RESIDUALS AND IMPURITIES NOTES: **Residuals of cutting oils were considered but these oils are washed off prior to delivery to manufacturing locations.**

OTHER MATERIAL NOTES: **Carbon steel is provided as a range per the vendors instruction as content percentages can vary.**

**STEEL**

ID: 12597-69-2

#: 100.0000 - 100.0000

GS: NoGS

RC: PostC

NANO: No

ROLE: Steel Main Ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: This is carbon steel used as fasteners and washers. There are no residual oils.

## SILICONE

#: 0.0000 - 0.5000

HPD URL:

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: 100% Silicone Bondaflex, no residuals or impurities

OTHER MATERIAL NOTES: 100% Silicone Bondaflex, no residuals or impurities

## POLYSILICONE-11

ID: 63394-02-5

#: 95.0000 - 100.0000

GS: NoGS

RC: None

NANO: No

ROLE: Silicone Gasket

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Silicone gasket material.

## 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

### SCS Indoor Advantage Gold - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2018-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **None**

APPLICABLE FACILITIES: **Sterling, MA**

**01-01**

**12-31**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **The largest custom egg variant with the most exposed painted surfaces was chosen to be tested through Berkeley Analytical and it passed. Certificate excludes wood options.**

## 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

This HPD covers 7 oval egg and egg variants all constructed with the same materials. The variations are based on sizes only which was address in the percentage ranges provided. Residual and impurities were considered based on materiality and standard material manufacturing process using the best data available from our vendors. Batch variations were considered where information was made available. This HP



## MANUFACTURER INFORMATION

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MANUFACTURER: **HNI Corporation**  
ADDRESS: **900 - 12th Street Drive NW**  
**Hickory NC 28603, USA**  
WEBSITE: **http://www.hbf.com**

CONTACT NAME: **Roy Green**  
TITLE: **Director of Sustainability**  
PHONE: **5857288307**  
EMAIL: **greenroy@hbf.com**

## KEY

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**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

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<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>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

### GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

### 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 Terms

#### 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 for compliance with the HPD standard noted.*