

CLASSIFICATION: 09 96 00 Finishes: High-Performance Coatings

PRODUCT DESCRIPTION: VandlGuard® Finish Coat Non-Sacrificial Anti-Graffiti is a one-coat topcoat that is applied over VandlGuard® Five and VandlGuard® Ten base coats. VandlGuard® Finish Coat is not to be used as a stand-alone application. The final applied systems of base coat and top coat provide a tough and durable graffiti-resistant finish. This is a crosslinking co-polymer material coating that dries clear (non-yellowing) with a low luster sheen finish. Protects a variety of vertical and horizontal surfaces from permanent graffiti staining and damage. Will protect your surface from graffiti defacement caused by commercially available spray paints and is warranted for up to five or ten years (depending on base product used), covering both material and labor replacement. Meets ASTM D7089 and ASTM D6578/6578M. Also includes CSI MasterFormat 09 96 23 Graffiti-Resistant Coatings.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold Disclosed Per

- Material
 Product

Threshold level

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

Residuals/Impurities

Residuals/Impurities
Considered in 1 of 1 Materials

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

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% weight and role provided for all substances.

Screened Yes Ex/SC Yes No
All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No
One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

VANDLGuard® FINISH COAT [WATER BM-4 UNDISCLOSED LT-UNK]

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

Contents highest concern GreenScreen
Benchmark or List translator Score ... LT-UNK
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.1.1, and discloses hazards associated with all substances present at or above 100 parts per million (ppm) in the finished product, along with the role and percent weight. Substances not "Identified" are those considered proprietary to suppliers.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): <1 g/l Regulatory (g/l): <1 g/l
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method – Not tested
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1 and Option 2

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2020-03-09

PUBLISHED DATE: 2020-03-09

EXPIRY DATE: 2023-03-09



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

VANDL GUARD® FINISH COAT

#: 100.00 - 100.00

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES:

WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-09

#: 84.40 - 84.90

GS: BM-4

RC: None

NANO: No

ROLE: Solvent; Diluent

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-4 was provided by the HPD Builder Tool.

UNDISCLOSED

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-09

#: 15.10 - 15.60

GS: LT-UNK

RC: None

NANO: No

ROLE: Polymer

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Supplier has shared substance identity under the terms of a non-disclosure agreement; substance to remain proprietary to supplier. Supplier has confirmed that residual monomers are not present at or above 100 ppm. Substance has been screened against HPD Priority Lists using the HPD Builder with results disclosed. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

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 – Not tested

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **N/A**

01-21

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **VandlGuard® Finish Coat is an exterior product. VOC Content is reported, as required for wet-applied products.**

VOC CONTENT

EPA Method 24 - Volatile Matter Content (EPA 24)

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **N/A**

APPLICABLE FACILITIES: **All**

01-21

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **VOC Content calculated based on formulation.**

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.

VANDLGUARD® FIVE ANTI-GRAFFITI COATING

HPD URL: <https://hpdrepository.hpd-collaborative.org/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Base coat for VandlGuard® Anti-Graffiti System. When used with VandlGuard® Finish Coat, up to 5 year Material & Labor Warranty applies.

VANDLGUARD® TEN ANTI-GRAFFITI COATING

HPD URL: <https://hpdrepository.hpd-collaborative.org/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Base coat for VandlGuard® Anti-Graffiti System. When used with VandlGuard® Finish Coat, up to 10 year Material & Labor Warranty applies.

MICRO-SEAL® WATER REPELLENT

HPD URL: <https://www.hpd-collaborative.org/hpd-public-repository/>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Bare Surfaces: Apply one coat of RainguardPro Micro-Seal® Water Repellent before applying any VandlGuard® system. This is required for applications that need warranties on a substrate that is unpainted or unsealed.

VANDLCLEAN™ SUPER GRAFFITI CLEANER

HPD URL: **No HPD available**

Use only Rainguard VandlClean™ Super Graffiti Cleaner to maintain application warranties. VandlClean™ Super Graffiti Cleaner is an environmentally friendly, biodegradable graffiti remover designed to dissolve spray paint, marker, pen and pencil. VandlClean™ Super Graffiti Cleaner is a concentrated citrus based cleaner and degreaser designed for cleaning almost any surface with stains not affected by water alone.

Section 5: General Notes

For additional performance-testing information, please contact Rainguard technical services at 888-765-7070. Approvals & Qualifications: Material Type - Cross Linked Co-Polymer; Permeability 100%; Volume Approx. 40%; Weight Approx. 58% Solids; Slight Latex Odor; Temp Range Application 40o-100o F; Color of Material - Clear; Non- Flammable; Surface Dry Time 1-2 Hours; Full Chemical Cure 72-96 Hrs @ 75oF. Graffiti resistance is fully developed after a cure time of 5-7 days depending on weather conditions. When using a power washer, keep pressure less than 500 psi. For difficult removal use warm to hot water while power washing. In order to maintain application warranties only use Rainguard VandlClean™ Super, a nonhazardous biodegradable cleaner. Follow the manufacturer's recommendations and instructions for use. In addition, warm water power-washing has also been known to assist in the removal of tagging.



MANUFACTURER INFORMATION

MANUFACTURER: **Rainguard International**
ADDRESS: **21622 Surveyor Circle**
Huntington Beach CA 92646, USA
WEBSITE: **www.rainguard.com**

CONTACT NAME: **Claude Florent**
TITLE: **CEO**
PHONE: **(949) 515-8800**
EMAIL: **claudio@rainguard.com**

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) | LT-1 List Translator Likely Benchmark 1 |
| BM-2 Benchmark 2 (use but search for safer substitutes) | LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark) |
| BM-1 Benchmark 1 (avoid - chemical of high concern) | NoGS Unknown (no data on List Translator Lists) |
| BM-U 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.