

HPD UNIQUE IDENTIFIER: 67485579264  
HPD UNIQUE PRODUCT ID: Not provided.  
CLASSIFICATION: 03 35 43 Polished Concrete Finishing  
PRODUCT DESCRIPTION: RetroPlate is a zero VOC, chemically reactive concrete sealer, hardener and dustpoofer formulated to stabilize and harden concrete surfaces prior to diamond abrasive polishing. This deep penetrating sealer chemically reacts with the concrete forming a crystalline structure within the concrete pores, filling the pore and solidifying the concrete into a solid densified mass. This reaction chemically hardens the concrete surface, rendering it abrasion resistant, dustfree and resistant to the penetration of surface contaminants. The results are permanent. No retreatment is required. RetroPlate does not contribute to alkali silicate reaction (ASR).

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

|                            |                                                   |                                                             |
|----------------------------|---------------------------------------------------|-------------------------------------------------------------|
| Inventory Reporting Format | Residuals/Impurities Evaluation                   | For all contents above the threshold, the manufacturer has: |
| → Nested Materials Method  | Completed in 2 of 2 Materials                     |                                                             |
| Threshold Disclosed Per    | Explanation(s) provided for Residuals/Impurities? | Characterized                                               |
| → Product                  | Yes                                               | Provided weight and role.                                   |
| Threshold Level            |                                                   | Screened                                                    |
| → 100 ppm                  |                                                   | Provided screening results using HPDC-approved methods.     |
|                            |                                                   | Identified                                                  |
|                            |                                                   | Provided name and CAS RN or other identifier.               |

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY  
GREENSCREEN SCORE | HAZARD TYPE  
DILUENT [ WATER BM-4 ] DENSIFIER [ SODIUM SILICATE LT-P1 ]  
END | SKI | EYE ]

Number of Greenscreen BM-4/BM3 contents ... 1  
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1  
Nanomaterial ... No  
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. This is a voluntary, self-reported effort. Any errors or omissions shall be considered a human error and therefore reported to the manufacturer. The manufacturer shall not be liable for omissions. All materials/substances present in the final product were screened at or above 100 ppm, and all potential hazards associated with the product have been disclosed.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0 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

COMPLIANCE See Section 3 for additional listings.  
VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario  
VOC content: EPA Method 24 - Volatile Matter Content (EPA 24)

CONSISTENCY WITH OTHER PROGRAMS

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

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 3.0, available on the HPDC website at: [www.hpd-collaborative.org/hpd-3-0-standard](http://www.hpd-collaborative.org/hpd-3-0-standard)

|                                                                                                                                |                                                    |                             |  |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|--|
| DILUENT                                                                                                                        |                                                    | %: 75.0000 - 85.0000        |  |
| PRODUCT THRESHOLD: 100 ppm                                                                                                     | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Other: Water |  |
| RESIDUALS AND IMPURITIES NOTES: According to the Pharos database, no residuals or impurities are registered for this chemical. |                                                    |                             |  |
| OTHER MATERIAL NOTES:                                                                                                          |                                                    |                             |  |

|                                                                     |                                              |                                           |                                                              |                         |
|---------------------------------------------------------------------|----------------------------------------------|-------------------------------------------|--------------------------------------------------------------|-------------------------|
| WATER                                                               |                                              |                                           | ID: 7732-18-5                                                |                         |
| HAZARD DATA SOURCE: Pharos Chemical and Materials Library           |                                              | HAZARD SCREENING DATE: 2025-10-18 7:58:21 |                                                              |                         |
| %: 100.0000                                                         | GreenScreen: BM-4                            | RC: None                                  | NANO: No                                                     | SUBSTANCE ROLE: Diluent |
| HAZARD TYPE                                                         | LIST NAME AND SOURCE                         |                                           | WARNINGS                                                     |                         |
| None found                                                          |                                              |                                           | No warnings found on HPD Priority Hazard Lists               |                         |
| ADDITIONAL LISTINGS                                                 | LIST NAME AND SOURCE                         |                                           | NOTIFICATION                                                 |                         |
| EXEMPT                                                              | European Union / European Commission (EU EC) |                                           | EU - REACH Exemptions                                        |                         |
|                                                                     |                                              |                                           | Exempted from REACH Annex IV listing due to intrinsic safety |                         |
| SUBSTANCE NOTES: Water primarily serves as: Carrier/Diluent/Solvent |                                              |                                           |                                                              |                         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                    |                      |                                          |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|----------------------|------------------------------------------|--|
| DENSIFIER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                    | %: 10.0000 - 25.0000 |                                          |  |
| PRODUCT THRESHOLD: 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes |                      | MATERIAL TYPE: Other: Inorganic compound |  |
| 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. Residuals and impurities below the declared Inventory Threshold do not need to be reported on the HPD. 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: Actual composition (concentration) has been withheld.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                    |                      |                                          |  |

|                                                                                                    |                                       |                 |                                                                                                      |                                            |
|----------------------------------------------------------------------------------------------------|---------------------------------------|-----------------|------------------------------------------------------------------------------------------------------|--------------------------------------------|
| HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>                                   |                                       |                 | HAZARD SCREENING DATE: <b>2025-10-18 7:59:17</b>                                                     |                                            |
| %: <b>99.0000 - 100.0000</b>                                                                       | GreenScreen: <b>LT-P1</b>             | RC: <b>None</b> | NANO: <b>No</b>                                                                                      | SUBSTANCE ROLE: <b>Abrasion resistance</b> |
| HAZARD TYPE                                                                                        | LIST NAME AND SOURCE                  |                 | WARNINGS                                                                                             |                                            |
| END                                                                                                | TEDX - Potential Endocrine Disruptors |                 | Potential Endocrine Disruptor                                                                        |                                            |
| SKI                                                                                                | GHS - New Zealand                     |                 | Skin corrosion category 1C                                                                           |                                            |
| EYE                                                                                                | GHS - New Zealand                     |                 | Serious eye damage category 1                                                                        |                                            |
| SKI                                                                                                | GHS - Australia                       |                 | H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C] |                                            |
| ADDITIONAL LISTINGS                                                                                | LIST NAME AND SOURCE                  |                 | NOTIFICATION                                                                                         |                                            |
| RESTRICTED LIST                                                                                    | Green Science Policy Institute (GSPI) |                 | GSPI - Six Classes Precautionary List                                                                |                                            |
|                                                                                                    |                                       |                 | Antimicrobials                                                                                       |                                            |
| SUBSTANCE NOTES: This chemical has been identified on the U.S EPA Safer Chemical Ingredients List. |                                       |                 |                                                                                                      |                                            |

## Section 3: 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 |                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------|
| <b>COMPLIANCE TYPE:</b> Third-party certification<br><b>CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:</b> Berkeley Analytical<br><b>COMPLIANCE DETAILS:</b><br><b>COMPLIANCE SCOPE:</b> Product<br><b>APPLICABLE FACILITIES:</b> All<br><b>COMPLIANCE URL:</b> <a href="https://curecrete.com/wp-content/uploads/RetroPlate-LEED-V-4-CDPH-1.2-2021-VOC-Indoor-Emission-Testing-Certificate.pdf">https://curecrete.com/wp-content/uploads/RetroPlate-LEED-V-4-CDPH-1.2-2021-VOC-Indoor-Emission-Testing-Certificate.pdf</a><br><b>COMPLIANCE NOTES:</b> Certificate No: 210326-04. The certificate does not explicitly list the expiry date; the entered date was only to satisfy the filed requirement. | <b>ISSUE DATE:</b> 2021-03-26                                                | <b>EXPIRY DATE:</b> 2025-10-23 |

| VOC CONTENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EPA Method 24 - Volatile Matter Content (EPA 24) |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------|
| <b>COMPLIANCE TYPE:</b> Third-party certification<br><b>CERTIFIER/VERIFIER/TESTING LAB/AUDITOR:</b> Timpview Analytical Laboratories<br><b>COMPLIANCE DETAILS:</b><br><b>COMPLIANCE SCOPE:</b> Product<br><b>APPLICABLE FACILITIES:</b> All<br><b>COMPLIANCE URL:</b> <a href="https://curecrete.com/wp-content/uploads/RetroPlate-VOC-EPA-24.pdf">https://curecrete.com/wp-content/uploads/RetroPlate-VOC-EPA-24.pdf</a><br><b>COMPLIANCE NOTES:</b> Lab ID: D105-059. The certificate does not explicitly list the expiry date; the entered date was only to satisfy the filed requirement. | <b>ISSUE DATE:</b> 2011-08-04                    | <b>EXPIRY DATE:</b> 2025-10-23 |

## 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

No accessories were added because this must be installed by professional installers who will use their tools and methods. Exact methods are determined by site-specific conditions, therefore, additional tools and products are unknown. For manufacturer-specific installation instructions, please visit the website: <https://curecrete.com/>

## MANUFACTURER INFORMATION

MANUFACTURER: **Curecrete Chemical Company, Inc.**  
ADDRESS: **1203 Spring Creek Place, Springville, UT 84663, United States**  
**Springville, UT 84663**  
COUNTRY: **USA**

WEBSITE: **<http://retroplatesystem.com>**  
CONTACT NAME: **Roy Bowman**  
TITLE: **VP of Technical Services**  
PHONE: **918.557.2333**  
EMAIL: **[Roy.Bowman@curecrete.com](mailto:Roy.Bowman@curecrete.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

|                                                     |
|-----------------------------------------------------|
| <b>PreC</b> Pre-consumer recycled content           |
| <b>PostC</b> Post-consumer recycled content         |
| <b>UNK</b> Inclusion of recycled content is unknown |
| <b>None</b> Does not include recycled content       |

### Other Terms:

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

### Inventory Methods:

|                                           |                                                                             |
|-------------------------------------------|-----------------------------------------------------------------------------|
| <b>Nested Method / Material Threshold</b> | Substances listed within each material per threshold indicated per material |
| <b>Nested Method / Product Threshold</b>  | Substances listed within each material per threshold indicated per product  |
| <b>Basic Method / Product Threshold</b>   | Substances listed individually per threshold indicated per product          |

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| <b>Nano</b>                  | Composed of nano scale particles or nanotechnology         |
| <b>Third Party Verified</b>  | Verification by independent certifier approved by HPDC     |
| <b>Preparer</b>              | Third party preparer, if not self-prepared by manufacturer |
| <b>Applicable facilities</b> | 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.*