Waterstop-RX by CETCO

Health Product Declaration v2.2

HPD UNIQUE IDENTIFIER: 21093
CLASSIFICATION: 03 15 13.16 Expanding Waterstops
PRODUCT DESCRIPTION: WATERSTOP-RX is a hydrophilic strip waterstop designed to stop water infiltration through cast-in-place concrete construction joints by expanding upon contact with water to form a positive seal against the concrete.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold Disclosed Per</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>Material</td>
</tr>
<tr>
<td>Basic Method</td>
<td>Product</td>
</tr>
</tbody>
</table>

Threshold level
- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Other

Residuals/Impurities
- Considered in 0 of 1 Materials
- Explanation(s) provided for Residuals/Impurities?
  - Yes
  - No

All Substances Above the Threshold Indicated Are:
- Characterized
  - Yes Ex/SC
  - Yes
  - No
- Screened
  - Yes Ex/SC
  - Yes
  - No
- Identified
  - Yes Ex/SC
  - 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY | GREENSCREEN SCORE | HAZARD TYPE
--- | --- | --- | --- | ---
WATERSTOP-RX | BENTONITE (PRIMARY CASRN IS 1302-78-9) | LT-UNK | NA
| POLYISOBUTYLENE (PRIMARY CASRN IS 9003-27-4) | LT-UNK | QUARTZ (PRIMARY CASRN IS 14808-80-7) | LT-1
| CARBON BLACK (PRIMARY CASRN IS 1333-86-4) | BM-1 | CRISTOBALITE (PRIMARY CASRN IS 14464-46-1) | LT-1

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:
Residuals and Impurities not considered

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: NA

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER: NA
VERIFICATION #: NA
SCREENING DATE: 2020-06-16
PUBLISHED DATE: 2020-07-22
EXPIRY DATE: 2023-06-16
### 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 2.2, available on the HPDC website at [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>THRESHOLD</th>
<th>RESIDUALS AND IMPURITIES</th>
<th>MATERIAL TYPE</th>
<th>URL</th>
</tr>
</thead>
</table>

**BENTONITE (PRIMARY CASRN IS 1302-78-9)**

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-06-16
- **%:** 75.0000 - 90.0000
- **GS:** LT-UNK
- **RC:** UNK
- **NANO:** No
- **SUBSTANCE ROLE:** Water resistance

**POLYISOBUTYLENE (PRIMARY CASRN IS 9003-27-4)**

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-06-16
- **%:** 10.0000 - 20.0000
- **GS:** LT-UNK
- **RC:** UNK
- **NANO:** No
- **SUBSTANCE ROLE:** Plasticizer

**QUARTZ (PRIMARY CASRN IS 14808-60-7)**

- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-06-16
- **%:** Impurity/Residual
- **GS:** LT-1
- **RC:** UNK
- **NANO:** No
- **SUBSTANCE ROLE:** Impurity/Residual
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTYL RUBBER (PRIMARY CASRN IS 9010-85-9)</td>
<td>1202864-34-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-16</td>
<td>2.0000 - 10.0000</td>
<td>LT-UNK</td>
<td>UNK</td>
<td>No</td>
<td>Binder</td>
</tr>
<tr>
<td>CARBON BLACK (PRIMARY CASRN IS 1333-86-4)</td>
<td>2174005-17-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-16</td>
<td>1.0000 - 3.0000</td>
<td>BM-1</td>
<td>UNK</td>
<td>No</td>
<td>Heat or UV stabilizer</td>
</tr>
</tbody>
</table>

**HAZARD TYPE**

| CANCER | IARC | Group 1 - Agent is Carcinogenic to humans |
| CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen |
| CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route |
| CANCER | IARC | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources |
| CANCER | US NIH - Report on Carcinogens | Known to be Human Carcinogen (respirable size - occupational setting) |
| CANCER | MAK | Carcinogen Group 1 - Substances that cause cancer in man |
| CANCER | GHS - New Zealand | 6.7A - Known or presumed human carcinogens |
| CANCER | GHS - Japan | Carcinogenicity - Category 1A [H350] |
| CANCER | GHS - Australia | H350i - May cause cancer by inhalation |

**SUBSTANCE NOTES:**

- Naturally occurring in Bentonite.

- UV Stability and pigment.
## CRISTOBALITE (PRIMARY CASRN IS 14464-46-1)

**ID:** 1317-48-2

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-06-16

**:** Impurity/Residual  
**GS:** LT-1  
**RC:** UNK  
**NANO:** No  
**SUBSTANCE ROLE:** Impurity/Residual

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - New Zealand</td>
<td>6.7A - Known or presumed human carcinogens</td>
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<td>CANCER</td>
<td>GHS - Japan</td>
<td>Carcinogenicity - Category 1A [H350]</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Australia</td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Naturally occurring in Bentonite.
## 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

<table>
<thead>
<tr>
<th>Certifying Party:</th>
<th>Self-declared</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable Facilities:</td>
<td>NA</td>
</tr>
<tr>
<td>Issue Date:</td>
<td>2020-06-18</td>
</tr>
<tr>
<td>Expiry Date:</td>
<td></td>
</tr>
<tr>
<td>Certifier or Lab:</td>
<td>NA</td>
</tr>
</tbody>
</table>

### 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.

#### CETSEAL

**HPD URL:** No HPD Available

**Condition When Recommended or Required and/or Other Notes:**

Used to adhere the Waterstop in place.

#### REVOFIX

**HPD URL:** No HPD Available

**Condition When Recommended or Required and/or Other Notes:**

Used to secure the Waterstop in place when Cetseal is not an option.

## Section 5: General Notes

Waterstop-RX is a hydrophilic waterstop used in concrete construction joint to help seal those joints.
MANUFACTURER INFORMATION

MANUFACTURER: CETCO
ADDRESS: 2780 Forbes Ave.
Hoffman Estates Illinois 60192, United States

CONTACT NAME: Stacy Byrd
TITLE: Technical Services Director
PHONE: +1 (847) 506-6186
EMAIL: stacy.byrd@mineraltech.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
- AQU Aquatic toxicity
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- LAN Land toxicity
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple
- NEU Neurotoxicity
- NF Not found on Priority Hazard Lists
- OZO Ozone depletion
- PBT Persistent, bioaccumulative, and toxic
- PHY Physical hazard (flammable or reactive)
- REP Reproductive
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- UNK Unknown

GreenScreen (GS)
- BM-4 Benchmark 4 (prefer-safer chemical)
- BM-3 Benchmark 3 (use but still opportunity for improvement)
- BM-2 Benchmark 2 (use but search for safer substitutes)
- BM-1 Benchmark 1 (avoid - chemical of high concern)
- BM-U Benchmark Unspecified (due to insufficient data)
- LT-P1 List Translator Possible 1 (Possible Benchmark-1)
- NoGS No GreenScreen

Recycled Types
- PreC Pre-consumer recycled content
- PostC Post-consumer recycled content
- UNK Inclusion of recycled content is unknown
- None Does not include recycled content

Other Terms:
- GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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 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.