HYDRO-FLEX® Waterstop
by Henry Company

CLASSIFICATION: 07 13 26.00

PRODUCT DESCRIPTION: HYDRO-FLEX® WATERSTOP is a preformed adhesive hydrophilic waterstop designed to swell in the presence of water, providing a watertight seal in cold joints on concrete structures. This highly advanced product is made from butyl rubber, polypropylene elastomers, and a mixture of hydrophilic bentonite and hydrophobic fillers and plasticizers, providing a more uniform and controlled volumetric expansion upon contact with water. HF302 - HYDRO-FLEX® WATERSTOP is self-adhesive and bonds to a wide variety of substrates. Its ability to swell allows it to penetrate into poorly consolidated concrete surfaces. FOR EXTERIOR USE ONLY.

Section 1: Summary

Basic Method / Product 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
- Considered
- Partially Considered
- Not Considered

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
  All substances disclosed by Name (Specific or Generic) and 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.

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

HYDROFLEX WATERSTOP [ 1-PROPENE, 2-METHYL-, HOMOPOLYMER LT-UNK BENTONITE LT-UNK ENGLISH FULLERS EARTH NoGS QUARTZ LT-1 | CAN ]

VOC CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

VOC emissions: Self-declared

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Preparer: Self-Prepared

Third Party Verified?
- Yes
- No

VERIFIER:

VERIFICATION #: 

SCREENING DATE: 2020-04-12
PUBLISHED DATE: 2020-04-12
EXPIRY DATE: 2023-04-12
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](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### HYDROFLEX WATERSTOP

**PRODUCT THRESHOLD:** 100 ppm  
**RESIDUALS AND IMPURITIES CONSIDERED:** Yes

**RESIDUALS AND IMPURITIES NOTES:** Residuals and impurities considered

**OTHER PRODUCT NOTES:** None

#### 1-PROPENE, 2-METHYL-, HOMOPOLYMER

<table>
<thead>
<tr>
<th>Component</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>ROLE</th>
<th>WARNINGS</th>
<th>SUBSTANCE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-PROPENE, 2-METHYL-, HOMOPOLYMER</td>
<td>9003-27-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-04-12</td>
<td>50.00 - 70.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Waterproofing polymer</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>None</td>
</tr>
</tbody>
</table>

### BENTONITE

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-04-12

<table>
<thead>
<tr>
<th>Component</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>ROLE</th>
<th>WARNINGS</th>
<th>SUBSTANCE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENTONITE</td>
<td>1302-78-9</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-04-12</td>
<td>10.00 - 30.00</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Hydrophilic additive/filler</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>Not in respirable form.</td>
</tr>
</tbody>
</table>

### ENGLISH FULLERS EARTH

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-04-12

<table>
<thead>
<tr>
<th>Component</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>ROLE</th>
<th>WARNINGS</th>
<th>SUBSTANCE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH FULLERS EARTH</td>
<td>8031-18-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-04-12</td>
<td>5.00 - 10.00</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Hydrophilic additive/filler</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>Not in respirable form.</td>
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</tbody>
</table>
**QUARTZ**

**ID:** 14808-60-7

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-04-12

<table>
<thead>
<tr>
<th>%: Impurity/Residual</th>
<th>GS:</th>
<th>GS: LT-1</th>
<th>RC:</th>
<th>None</th>
<th>NANO:</th>
<th>No</th>
<th>ROLE: Impurity/Residual</th>
</tr>
</thead>
</table>

**HAZARD TYPE** | **AGENCY AND LIST TITLES** | **WARNINGS**

CANCER | US CDC - Occupational Carcinogens | Occupational Carcinogen

CANCER | CA EPA - Prop 65 | Carcinogen - specific to chemical form or exposure route

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 | IARC | Group 1 - Agent is Carcinogenic to humans

CANCER | IARC | Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

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:** Not present in a respirable form.
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>ISSUE DATE</th>
<th>EXPIRY DATE</th>
<th>CERTIFIER OR LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-declared</td>
<td>2020-04-12</td>
<td></td>
<td>Henry Company</td>
</tr>
</tbody>
</table>

APPLICABLE FACILITIES: All Henry facilities

CERTIFICATION AND COMPLIANCE NOTES: Exterior use only product

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 additional general notes for this product.
MANUFACTURER INFORMATION

MANUFACTURER: Henry Company
ADDRESS: 999 N. Pacific Coast Hwy
Suite 800
El Segundo CA 90245, USA
WEBSITE: www.henry.com

CONTACT NAME: Whitney Randall
TITLE: Director, Regulatory Compliance Systems
PHONE: 484-557-1247
EMAIL: wrandall@henry.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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/ corrosivity
GEN Gene mutation

GLO Global warming
MAM Mammalian/systemic/organ toxicity
MUL Multiple hazards
NEU Neurotoxicity
OZO Ozone depletion
PBT Persistent Bioaccumulative Toxic
PHY Physical Hazard (reactive)
REP Reproductive toxicity
RES Respiratory sensitization
SKI Skin sensitization/irritation/ corrosivity
LAN Land Toxicity
NF Not found on Priority Hazard Lists

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 (insufficient data to benchmark)
LT-P1 List Translator Possible Benchmark 1
LT-1 List Translator Likely Benchmark 1
LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
NoGS 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 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.