Section 1: Summary

CONTENT INVENTORY

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

Residuals and impurities considered in 1 of 1 materials

Based on the selected Content Inventory Threshold:

Characterized
Are the Percent Weight and Role provided for all substances? Yes No

Screened
Are all substances screened using Priority Hazard Lists with results disclosed? Yes No

Identified
Are all substances disclosed by Name (Specific or Generic) and Identifier? 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
--- | --- | --- | --- | ---
FLASH 208R | ASPHALT LT-1 | CAN LIMESTONE; CALCIUM CARBONATE LT-UNK | SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC LT-UNK | MAM ENGLISH FULLERS EARTH UNK CELLULOSE, MICROCRYSTALLINE UNK 1,2,4-TRIMETHYLBENZENE BM-2 | MAM | EYE | SKI | AQU | MUL QUARTZ LT-3 | CAN |

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

INVENTORY AND SCREENING NOTES:

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 265
Regulatory (g/l):

Does the product contain exempt VOCs: No

Are ultra-low VOC tints available: N/A

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

VERIFIER:
SCREENING DATE: January 19, 2017
RELEASE DATE: January 19, 2017
EXPIRY DATE*: January 19, 2020

* or within 3 months of significant change in product contents

Self-Published*
Third Party Verified
*See HPDC website for details

Pro-Grade® 163 Emergency Leak Repair Cement is a premium grade mastic compound specially formulated for the professional roofer for use in driving rain or under water when the leak needs to be stopped immediately. Pro-Grade®163’s unique easy-to-use formula is designed to resist weathering and provide long-lasting repairs, even when applied during inclement weather.
This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

### FLASH 208R

**Inventory Threshold:** 100 ppm  
**Residuals Considered:** Yes

**Material Notes:**

<table>
<thead>
<tr>
<th>Material</th>
<th>ID</th>
<th>%: 40.0000 - 50.0000</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: NO</th>
<th>ROLE: Waterproofing/Flexibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASPHALT</td>
<td>8052-42-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

- CANCER - IARC  
  Group 2b - Possibly carcinogenic to humans
- CANCER - US CDC - Occupational Carcinogens  
  Occupational Carcinogen
- CANCER - MAK  
  Carcinogen Group 2 - Considered to be carcinogenic for man

**SUBSTANCE NOTES:** IARC classifies asphalt as a carcinogen when used in road paving. This product is not used in that application.

### LIMESTONE; CALCIUM CARBONATE

**Inventory Threshold:** 100 ppm  
**Residuals Considered:** Yes

**Material Notes:**

<table>
<thead>
<tr>
<th>Material</th>
<th>ID</th>
<th>%: 20.0000 - 30.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: NO</th>
<th>ROLE: Filler/Film strengthener</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIMESTONE; CALCIUM CARBONATE</td>
<td>1317-65-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

**SUBSTANCE NOTES:** No warnings found on HPD Priority lists

### SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC

**Inventory Threshold:** 100 ppm  
**Residuals Considered:** Yes

**Material Notes:**

<table>
<thead>
<tr>
<th>Material</th>
<th>ID</th>
<th>%: 20.0000 - 25.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: NO</th>
<th>ROLE: Solvent</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC</td>
<td>64742-88-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

- MAMMALIAN - EU - GHS (H-Statements)  
  H304 - May be fatal if swallowed and enters airways
- ORGAN TOXICANT - EU - GHS (H-Statements)  
  H372 - Causes damage to organs through prolonged or repeated exposure
### ENGLISH FULLERS EARTH

**ID:** 8031-18-3  
**%:** 5.0000 - 10.0000  
**GS:** UNK  
**RC:** None  
**NANO:** NO  
**ROLE:** Thixotrope

**HAZARDS:**

None Found  
No warnings found on HPD Priority lists

### CELLULOSE, MICROCRYSTALLINE

**ID:** 9004-34-6  
**%:** 3.0000 - 7.0000  
**GS:** UNK  
**RC:** None  
**NANO:** NO  
**ROLE:** Thixotrope

**HAZARDS:**

None Found  
No warnings found on HPD Priority lists

### 1,2,4-TRIMETHYLBENZENE

**ID:** 95-63-6  
**%:** Impurity/Residual  
**GS:** BM-2  
**RC:** None  
**NANO:** NO  
**ROLE:** Impurity/Residual

**HAZARDS:**

- **MAMMALIAN**  
  EU - R-phrases  
  R20 - Harmful by Inhalation (gas or vapor or dust/mist)
- **EYE IRRITATION**  
  EU - R-phrases  
  R36 - Irritating to eyes
- **SKIN IRRITATION**  
  EU - R-phrases  
  R38 - Irritating to skin
- **ACUTE AQUATIC**  
  EU - R-phrases  
  R51 - Toxic to Aquatic Organisms
- **CHRON AQUATIC**  
  EU - GHS (H-Statements)  
  H411 - Toxic to aquatic life with long lasting effects
- **SKIN IRRITATION**  
  EU - GHS (H-Statements)  
  H315 - Causes skin irritation
- **EYE IRRITATION**  
  EU - GHS (H-Statements)  
  H319 - Causes serious eye irritation
- **MULTIPLE**  
  German FEA - Substances Hazardous to Waters  
  Class 2 - Hazard to Waters

**SUBSTANCE NOTES:**

### QUARTZ

**ID:** 14808-60-7
<table>
<thead>
<tr>
<th>HAZARDS:</th>
<th>AGENCY(IES) WITH WARNINGS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
</tr>
<tr>
<td></td>
<td>Occupational Carcinogen</td>
</tr>
<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
</tr>
<tr>
<td></td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
</tr>
<tr>
<td></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>
</tr>
<tr>
<td></td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
</tr>
<tr>
<td></td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
</tbody>
</table>

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.

### 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.

### Section 5: General Notes
MANUFACTURER INFORMATION

MANUFACTURER: Henry Company
ADDRESS: 999 N. Sepulveda Blvd
           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

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU</td>
<td>Aquatic toxicity</td>
</tr>
<tr>
<td>CAN</td>
<td>Cancer</td>
</tr>
<tr>
<td>DEV</td>
<td>Developmental toxicity</td>
</tr>
<tr>
<td>END</td>
<td>Endocrine activity</td>
</tr>
<tr>
<td>EYE</td>
<td>Eye irritation/corrosivity</td>
</tr>
<tr>
<td>GEN</td>
<td>Gene mutation</td>
</tr>
<tr>
<td>GLO</td>
<td>Global warming</td>
</tr>
<tr>
<td>MAM</td>
<td>Mammalian/systemic/organ toxicity</td>
</tr>
<tr>
<td>MUL</td>
<td>Multiple hazards</td>
</tr>
<tr>
<td>NEU</td>
<td>Neurotoxicity</td>
</tr>
<tr>
<td>OZO</td>
<td>Ozone depletion</td>
</tr>
<tr>
<td>PHY</td>
<td>Physical Hazard (reactive)</td>
</tr>
<tr>
<td>REP</td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td>RES</td>
<td>Respiratory sensitization</td>
</tr>
<tr>
<td>SKI</td>
<td>Skin sensitization/irritation/corrosivity</td>
</tr>
<tr>
<td>LAN</td>
<td>Land Toxicity</td>
</tr>
<tr>
<td>NF</td>
<td>Not found on Priority Hazard Lists</td>
</tr>
</tbody>
</table>

GreenScreen (GS)

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM-4</td>
<td>Benchmark 4 (prefer-safer chemical)</td>
</tr>
<tr>
<td>BM-3</td>
<td>Benchmark 3 (use but still opportunity for improvement) BM-2 Benchmark 2 (use but search for safer substitutes)</td>
</tr>
<tr>
<td>BM-1</td>
<td>Benchmark 1 (avoid - chemical of high concern)</td>
</tr>
<tr>
<td>BM-U</td>
<td>Benchmark Unspecified (insufficient data to benchmark)</td>
</tr>
</tbody>
</table>

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)
UNK Unknown (no data on List Translator Lists)

Recycled Types

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PreC</td>
<td>Preconsumer (Post-Industrial)</td>
</tr>
<tr>
<td>PostC</td>
<td>Postconsumer</td>
</tr>
<tr>
<td>Both</td>
<td>Both Preconsumer and Postconsumer</td>
</tr>
<tr>
<td>Unk</td>
<td>Inclusion of recycled content is unknown</td>
</tr>
<tr>
<td>None</td>
<td>Does not include recycled content</td>
</tr>
</tbody>
</table>

Other

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nano</td>
<td>Composed of nanoscale particles or nanotechnology</td>
</tr>
</tbody>
</table>

Declaration Level

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-declared</td>
<td>Manufacturer's self-declaration (First Party)</td>
</tr>
<tr>
<td>Independent Lab</td>
<td>Manufacturer's self-declaration using results from an independent lab</td>
</tr>
<tr>
<td>Second Party</td>
<td>Verification by trade association or other interested party</td>
</tr>
<tr>
<td>Third Party</td>
<td>Verification by independent certifier</td>
</tr>
</tbody>
</table>

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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a “Health Product Declaration,” or “HPD.” 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 Open Standard noted.