Blueskin® PE 200 HT by Henry Company

CLASSIFICATION: 07 27 00.00

PRODUCT DESCRIPTION: HENRY BLUESKIN® PE 200 HT HIGH TEMPERATURE ROOF UNDERLAYMENT IS A SELF-ADHERED ROOFING UNDERLAYMENT CONSISTING OF A HIGH SOFTENING POINT, SBS RUBBERIZED ASPHALT COMPOUND, WHICH IS INTEGRALLY LAMINATED TO A BLUE CROSS-LAMINATED POLYETHYLENE FILM. HENRY BLUESKIN® PE 200 HT ADHERES DIRECTLY TO ROOF DECKS OR CERTAIN INSULATION PANELS PRIOR TO THE APPLICATION OF FINISHED ROOF COVERINGS INCLUDING ARCHITECTURAL METAL, SHINGLES OR TILE.

Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Threshold per material</th>
<th>Residuals and impurities considered in 1 of 1 materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 ppm</td>
<td>see Section 2: Material Notes</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>see Section 5: General Notes</td>
</tr>
<tr>
<td>Per GHS SDS</td>
<td></td>
</tr>
<tr>
<td>Per OSHA MSDS</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

Based on the selected Content Inventory Threshold:

Characterized.................................................... Yes  No

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

Screened........................................................ Yes  No

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

Identified...................................................... Yes  No

Are 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 |
-----------|-----------|----------------------|-------------------|-------------|
BLUESKIN RF200 | ASPHALT LT-1 | CAN STYRENE BUTADIENE RUBBER (SBR) LT-UNK | DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI); LT-1 CAN | POLYETHYLENE LT-UNK SULFUR LT-UNK SKI |

INVENTORY AND SCREENING NOTES:

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

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.


VERIFICATION #: RELEASE DATE: January 29, 2017

*See HPDC website for details

* or within 3 months of significant change in product contents
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.

### BLUESKIN RF200

<table>
<thead>
<tr>
<th>Material</th>
<th>ID: 8052-42-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>asphalt</td>
<td></td>
</tr>
<tr>
<td>%: 65.0000 - 75.0000</td>
<td>GS: LT-1</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: NO</td>
</tr>
<tr>
<td></td>
<td>ROLE: Waterproof/flexibility</td>
</tr>
</tbody>
</table>

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

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

**SUBSTANCE NOTES:** Not used in road paving - not considered a carcinogen by IARC.

### STYRENE BUTADIENE RUBBER (SBR)

<table>
<thead>
<tr>
<th>Material</th>
<th>ID: 9003-55-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>sbr</td>
<td></td>
</tr>
<tr>
<td>%: 15.0000 - 25.0000</td>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: NO</td>
</tr>
<tr>
<td></td>
<td>ROLE: Flexibility</td>
</tr>
</tbody>
</table>

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

None Found

**SUBSTANCE NOTES:**

### DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI)

<table>
<thead>
<tr>
<th>Material</th>
<th>ID: 64742-52-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates</td>
<td></td>
</tr>
<tr>
<td>%: 5.0000 - 15.0000</td>
<td>GS: LT-1</td>
</tr>
<tr>
<td></td>
<td>RC: None</td>
</tr>
<tr>
<td></td>
<td>NANO: NO</td>
</tr>
<tr>
<td></td>
<td>ROLE: Plasticizer</td>
</tr>
</tbody>
</table>

**HAZARDS:**

**AGENCY(IES) WITH WARNINGS:**

- **CANCER**
  - EU - R-phrases: R45 - May cause cancer
  - EC - CEPA DSL: Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans
  - EU - GHS (H-Statements): H350 - May cause cancer
<table>
<thead>
<tr>
<th>Substance</th>
<th>ID</th>
<th>% or Range</th>
<th>GC</th>
<th>RC</th>
<th>NANO</th>
<th>ROLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene</td>
<td>9002-88-4</td>
<td>1.0000 - 5.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>NO</td>
<td>Protective polymer barrier</td>
</tr>
<tr>
<td>Sulfur</td>
<td>7704-34-9</td>
<td>Impurity/Residual</td>
<td>LT-UNK</td>
<td>None</td>
<td>NO</td>
<td>Impurity/Residual</td>
</tr>
</tbody>
</table>

**HAZARDS:**

**SULFUR**

- **SKIN IRRITATION**
  - EU - R-phrases: R38 - Irritating to skin
  - EU - GHS (H-Statements): H315 - Causes skin irritation

**SUBSTANCE NOTES:**

- Polyethylene: Contains less than 3% DMSO extractables - not considered to be a carcinogen or a mutagen.
- Sulfur: Impurity/Residual

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**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 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Henry Company

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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
SK1 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
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspec i ed (insu cient 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)
UNK 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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer’s self-declaration (First Party)
Independent Lab Manufacturer’s self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier

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.