Blueskin SA
by Henry Company

CLASSIFICATION: 07 27 13.00

PRODUCT DESCRIPTION: BLUESKIN SA IS A SELF-ADHERING MEMBRANE CONSISTING OF AN SBS RUBBERIZED ASPHALT COMPOUND LAMINATED ON A BLUE POLYETHYLENE FILM. IMPERMEABLE TO AIR, MOISTURE VAPOR AND WATER, BLUESKIN SA IS DESIGNED TO INSTALL EASILY ON A VARIETY OF PREPARED SUBSTRATES.

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
- see Section 2: Material Notes
- see Section 5: General Notes

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

INVENTORY AND SCREENING NOTES:

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.

Self-Published* VERIFIER: SCREENING DATE: January 29, 2017 EXPIRY DATE*: January 29, 2020
Third Party Verified VERIFICATION #: RELEASE DATE: January 29, 2017 * or within 3 months of significant change in product contents

*See HPDC website for details

Blueskin SA  Health Product Declaration Page 1 of 5 created via: HPDC Online Builder www.hpd-collaborative.org
**Section 2: Content in Descending Order of Quantity**

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.

<table>
<thead>
<tr>
<th>Material</th>
<th>ID</th>
<th>Role</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BLUESKIN TWF</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inventory Threshold: 100 ppm  Residuals Considered: Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material Notes:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASPHALT</td>
<td>ID: 8052-42-4</td>
<td>Waterproofing, flexibility</td>
<td></td>
</tr>
<tr>
<td>%: 65.0000 - 75.0000</td>
<td>GS: LT-1</td>
<td>RC: None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NANO: NO</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2b - Possibly carcinogenic to humans</td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 2 - Considered to be carcinogenic for man</td>
<td></td>
</tr>
<tr>
<td>SUBSTANCE NOTES:</td>
<td></td>
<td></td>
<td>This substance is not used in road paving and therefore not classified as a carcinogen by IARC. Exposure potential to asphalt when using this product as directed is extremely low.</td>
</tr>
<tr>
<td><strong>STYRENE BUTADIENE RUBBER (SBR)</strong></td>
<td>ID: 9003-55-8</td>
<td>Flexibility</td>
<td></td>
</tr>
<tr>
<td>%: 15.0000 - 25.0000</td>
<td>GS: LT-UNK</td>
<td>RC: None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NANO: NO</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>None Found</td>
<td></td>
<td>No warnings found on HPD Priority lists</td>
<td></td>
</tr>
<tr>
<td><strong>DISTILLATES (PETROLEUM), HYDROTREATED (MILD) HEAVY NAPHTHENIC (9CI):</strong></td>
<td>ID: 64742-52-5</td>
<td>Plasticizer</td>
<td></td>
</tr>
<tr>
<td>%: 5.0000 - 15.0000</td>
<td>GS: LT-1</td>
<td>RC: None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NANO: NO</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HAZARDS:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - R-phrases</td>
<td>R45 - May cause cancer</td>
<td></td>
</tr>
<tr>
<td>PBT</td>
<td>EC - CEPA DSL</td>
<td>Persistent, Bioaccumulative and inherently Toxic (PBITH) to humans</td>
<td></td>
</tr>
</tbody>
</table>

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CANCER EU - GHS (H-Statements) H350 - May cause cancer

CANCER EU - REACH Annex XVII CMRs Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man

MULTIPLE ChemSec - SiN List CMR - Carcinogen, Mutagen &/or Reproductive Toxicant

MULTIPLE German FEA - Substances Hazardous to Waters Class 3 - Severe Hazard to Waters

CANCER EU - Annex VI CMRs Carcinogen Category 1B - Presumed Carcinogen based on animal evidence

SUBSTANCE NOTES: Contains less than 3% DMSO extractables - not considered to be a carcinogen or a mutagen.

POLYETHYLENE

ID: 9002-88-4

%: 5.0000 - 10.0000 GS: LT-UNK RC: None NANO: NO ROLE: Protective polymer film

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

SULFUR

ID: 7704-34-9

%: Impurity/Residual GS: LT-UNK RC: None NANO: NO ROLE: Impurity/Residual

HAZARDS: AGENCY(IES) WITH WARNINGS:

SKIN IRRITATION EU - R-phrases R38 - Irritating to skin

SKIN IRRITATION EU - GHS (H-Statements) H315 - Causes skin irritation

SUBSTANCE NOTES:

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.
MANUFACTURER INFORMATION

MANUFACTURER: Henry Company

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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
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspec ed (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)
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.