

CLASSIFICATION: 07 27 00.00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: BLUESKIN® TWF IS A SELF-ADHERED MEMBRANE CONSISTING OF AN SBS RUBBERIZED ASPHALT COMPOUND WHICH IS INTEGRALLY LAMINATED TO A TOUGH, YELLOW CROSS-LAMINATED POLYETHYLENE FILM. THE MEMBRANE IS SPECIFICALLY DESIGNED FOR USE AS A THRU-WALL FLASHING. AVAILABLE IN STANDARD: 12", 18", 24" AND 36" WIDTHS. CUSTOM WIDTHS ALSO AVAILABLE.

Section 1: Summary

CONTENT INVENTORY

- | | |
|--|--|
| Threshold per material | Residuals and impurities considered in 1 of 1 materials |
| <input checked="" type="radio"/> 100 ppm | <input checked="" type="radio"/> see Section 2: Material Notes |
| <input type="radio"/> 1,000 ppm | <input checked="" type="radio"/> see Section 5: General Notes |
| <input type="radio"/> Per GHS SDS | |
| <input type="radio"/> Per OSHA MSDS | |
| <input type="radio"/> Other | |

Based on the selected Content Inventory Threshold:

- | | | |
|---|----------------------------------|-----------------------|
| Characterized..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are the Percent Weight and Role provided for all substances? | Yes | No |
| Screened..... | <input checked="" type="radio"/> | <input type="radio"/> |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes | No |
| Identified..... | <input checked="" type="radio"/> | <input type="radio"/> |
| 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.

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

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.

| | | | |
|--|-----------------|----------------------------------|--|
| <input checked="" type="radio"/> Self-Published* | VERIFIER: | SCREENING DATE: January 17, 2017 | EXPIRY DATE*: January 17, 2020 |
| <input type="radio"/> Third Party Verified | VERIFICATION #: | RELEASE DATE: January 17, 2017 | * or within 3 months of significant change in product contents |

*See HPDC website for details



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.

BLUESKIN TWF

#: 100.0000 - 100.0000

HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes: Blueskin TWF is an article does not release substances/chemicals when used as directed.

ASPHALT

ID: 8052-42-4

#: 65.0000 - 75.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Waterproofing, flexibility

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: 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.

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

#: 15.0000 - 25.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Flexibility

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

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

ID: 64742-52-5

#: 5.0000 - 15.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R45 - May cause cancer

PBT

EC - CEPA DSL

Persistent, Bioaccumulative and inherently Toxic (PBiTH) to humans

| | | |
|----------|---|--|
| 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.



Section 5: General Notes



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

GLO Global warming

PHY Physical Hazard (reactive)

CAN Cancer

MAM Mammalian/systemic/organ toxicity

REP Reproductive toxicity

DEV Developmental toxicity

MUL Multiple hazards

RES Respiratory sensitization

END Endocrine activity

NEU Neurotoxicity

SKI Skin sensitization/irritation/corrosivity

EYE Eye irritation/corrosivity

OZO Ozone depletion

LAN Land Toxicity

GEN Gene mutation

PBT Persistent Bioaccumulative Toxic

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

LT-P1 List Translator Possible Benchmark 1

BM-3 Benchmark 3 (use but still opportunity for improvement) **BM-2** Benchmark 2 (use but search for safer substitutes)

LT-1 List Translator Likely Benchmark 1

BM-1 Benchmark 1 (avoid - chemical of high concern)

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

BM-U Benchmark Unspecified (insufficient data 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.