

CLASSIFICATION: 07 27 00.00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: MODIFIEDPLUS® NP180GM4 Cap Sheet is used as the weather resistant, granulated top ply in a two-ply roofing systems, flashing membrane for modified bitumen roofing, conventional built-up roofing and hot rubberized asphalt systems. Designed for application with either hot asphalts or cold adhesives.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 1 of 1 Materials

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

Are All Substances Above the Threshold Indicated:

Characterized Yes No
Percent Weight and Role Provided?

Screened Yes No
Using Priority Hazard Lists with Results Disclosed?

Identified Yes No
Name and Identifier Provided?

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

MOD BASE [ASPHALT **LT-1** | CAN LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) **LT-UNK** STYRENE BUTADIENE RUBBER (SBR) (STYRENE BUTADIENE RUBBER (SBR)) **LT-UNK** FIBER GLASS, BIOINSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT >18 % BY WEIGHT (FIBER GLASS, BIOINSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT >18 % BY WEIGHT) **LT-UNK** | CAN QUARTZ (QUARTZ) **LT-1** | CAN SULFUR (SULFUR) **LT-UNK** | SKI]

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:

No additional information

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2017-11-01
PUBLISHED DATE: 2017-11-01
EXPIRY DATE: 2020-11-01

Section 2: Content in Descending Order of Quantity

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, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

MOD BASE

#: 100.0000 - 100.0000

HPD URL: <https://builder-2.hpd-collaborative.org/records/3922>

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities considered down to 100 ppm.

OTHER MATERIAL NOTES: None

ASPHALT

ID: 8052-42-4

#: 50.0000 - 60.0000

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: IARC classifies asphalt as a carcinogen in road paving applications. This product is not intended for that use.

LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

#: 30.0000 - 40.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler/film strengthener

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Exposure to substance is not likely due to the nature of the product.

STYRENE BUTADIENE RUBBER (SBR) (STYRENE BUTADIENE RUBBER (SBR))

ID: 9003-55-8

#: 5.0000 - 10.0000

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: None

FIBER GLASS, BIOINSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT >18 % BY WEIGHT (FIBER GLASS, BIOINSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT >18 % BY WEIGHT)

ID: 65997-17-3

#: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Reinforcement
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects		
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer		
SUBSTANCE NOTES: None				

QUARTZ (QUARTZ)

ID: 14808-60-7

#: Impurity/Residual	GS: LT-1	RC: None	NANO: No	ROLE: Impurity/Residual
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route		
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources		
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	New Zealand - GHS	6.7A - Known or presumed human carcinogens		
CANCER	Australia - GHS	H350 - May cause cancer		
SUBSTANCE NOTES: Exposure is unlikely due to the nature of the product.				

SULFUR (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: None				

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.

No accessories are required for this product.

Section 5: General Notes

Product is an article and exposure to components is unlikely when used according to instructions.

Section 6: References

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

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)
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.