

CLASSIFICATION: 07 14 16.00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Pro-Grade® 586 Fibered Aluminum Roof Coating is a premium fibered aluminum coating for new or aged smooth surface BUR, modified bitumen membranes, aged galvanized metal roofs and new asphalt emulsion that forms a tough, brilliant reflective surfacing. It can decrease air conditioning costs and can lower the inside temperature of buildings, up to 20° F cooler in the summer.

Section 1: Summary

Basic 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

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes No

Are All Substances Above the Threshold Indicated:

Characterized
Percent Weight and Role Provided? Yes No

Screened
Using Priority Hazard Lists with Results Disclosed? Yes No

Identified
Name and Identifier Provided? 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

RUBBERIZED ALUMINUM ROOF COATING [SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM., SHOWN TO CONTAIN LESS THAN 0,1 % W/W BENZENE **LT-P1** | MAM | MUL ALUMINUM **LT-P1** | RES | END | PHY STYRENE BUTADIENE RUBBER (SBR) **LT-UNK** ASPHALT **LT-1** | CAN WOLLASTONITE **LT-UNK** SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC **LT-UNK** | MAM DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC, SHOWN TO CONTAIN LESS THAN 3 % DMSO EXTRACT **LT-1** | CAN | MUL SILICA GEL **LT-UNK** HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED **LT-UNK** 1,2,4-TRIMETHYLBENZENE **BM-2** | MAM | EYE | SKI | AQU | MUL XYLENES **BM-1** | MAM | SKI | END | MUL 1,2,3-TRIMETHYLBENZENE **BM-2**]

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

INVENTORY AND SCREENING NOTES:

No additional notes

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: 2017-01-23

PUBLISHED DATE: 2017-11-01

EXPIRY DATE: 2020-01-23

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

RUBBERIZED ALUMINUM ROOF COATING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Impurities considered down to 100 ppm

OTHER PRODUCT NOTES: None

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM., SHOWN TO CONTAIN LESS THAN 0,1 % W/W BENZENE

ID: 64742-95-6

#: 15.0000 - 25.0000 GS: LT-P1 RC: None NANO: No ROLE: Solvent

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MAMMALIAN	EU - GHS (H-Statements)	H304 - May be fatal if swallowed and enters airways
MULTIPLE	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: None

ALUMINUM

ID: 7429-90-5

#: 10.0000 - 20.0000 GS: LT-P1 RC: None NANO: No ROLE: Reflectance

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H228 - Flammable solid
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHYSICAL HAZARD (REACTIVE)	EU - GHS (H-Statements)	H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: Not in available in a dry or respirable form.

STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

%: 10.0000 - 20.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Flexible polymer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

ASPHALT

ID: 8052-42-4

%: 10.0000 - 20.0000

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 application.

WOLLASTONITE

ID: 13983-17-0

%: 5.0000 - 10.0000

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: Not available in respirable form.

SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC

ID: 64742-88-7

%: 3.0000 - 7.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Solvent

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

SUBSTANCE NOTES: None

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC, SHOWN TO CONTAIN LESS THAN 3 % DMSO EXTRACT

ID: 64742-52-5

%: 1.0000 - 5.0000

GS: LT-1

RC: None

NANO: No

ROLE: Plasticizer

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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

SUBSTANCE NOTES: Contains less than 3% DMSO extractables. Not a carcinogen or mutagen.

SILICA GEL

ID: 112926-00-8

#: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Thixotrope**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Not available in respirable form

HYDROCARBONS, C6-20, POLYMERS, HYDROGENATED

ID: 69430-35-9

#: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Adhesion**

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

1,2,4-TRIMETHYLBENZENE

ID: 95-63-6

#: **Impurity/Residual** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Impurity/Residual**

HAZARDS: AGENCY(IES) WITH WARNINGS:

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: None

XYLENES

ID: 1330-20-7

Role: Impurity/Residual	GS: BM-1	RC: None	NANO: No	ROLE: Impurity/Residual
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
MAMMALIAN	EU - R-phrases			R20 - Harmful by Inhalation (gas or vapor or dust/mist)
MAMMALIAN	EU - R-phrases			R21 - Harmful in Contact with Skin
SKIN IRRITATION	EU - R-phrases			R38 - Irritating to skin
SKIN IRRITATION	EU - GHS (H-Statements)			H315 - Causes skin irritation
ENDOCRINE	TEDX - Potential Endocrine Disruptors			Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters			Class 2 - Hazard to Waters
SUBSTANCE NOTES: None				

1,2,3-TRIMETHYLBENZENE

ID: 526-73-8

Role: Impurity/Residual	GS: BM-2	RC: None	NANO: No	ROLE: Impurity/Residual
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
None Found	No warnings found on HPD Priority lists			
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

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)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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

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.