

# 687 Enviro-White™ Elastomeric Roof Coating by Henry Company

## Health Product Declaration v2.0

CLASSIFICATION: 07 14 16.00

created via: HPDC Online Builder

PRODUCT DESCRIPTION: HENRY 687 ENVIRO-WHITE™ ELASTOMERIC ROOF COATING IS A PREMIUM, HIGH SOLIDS WHITE ELASTOMERIC ROOF COATING FORMULATED WITH ACRYLIC POLYMERS, RESINS, FILLERS AND TITANIUM DIOXIDE PIGMENTS. DIRT PICK-UP RESISTANT (DPR) TECHNOLOGY PREVENTS DIRT AND DUST BUILDUP, KEEPING THE ROOF WHITER AND MORE REFLECTIVE LONGER. WHEN CURED, THE COATING FORMS A PERMEABLE MEMBRANE, WHICH PREVENTS LIQUID INFILTRATION, BUT ALLOWS MOISTURE VAPOR TO VENT, OR BREATHE OUT OF UNDERLYING SUBSTRATE.

### 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.....	<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.

**MATERIAL** | **SUBSTANCE** | *RESIDUAL OR IMPURITY*  
**GREENSCREEN SCORE** | HAZARD TYPE

ENVIROWHITE ELASTOMERIC ROOF COATING [ WATER **BM-4** LIMESTONE; CALCIUM CARBONATE **LT-UNK** 2-PROPENOIC ACID, POLYMER WITH ETHENYL BENZENE AND 2-ETHYLHEXYL 2-PROPENOATE **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN CHLOROTHALONIL **LT-1** | MAM | CAN | EYE | SKI | AQU | RES | END | MUL **QUARTZ** **LT-1** | CAN ]

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

#### INVENTORY AND SCREENING NOTES:

#### VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0      Regulatory (g/l):  
 Does the product contain exempt VOCs: No  
 Are ultra-low VOC tints available: N/A

#### CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

<input checked="" type="radio"/> Self-Published*	VERIFIER:	SCREENING DATE: January 22, 2017	EXPIRY DATE*: January 22, 2020
<input type="radio"/> Third Party Verified	VERIFICATION #:	RELEASE DATE: January 22, 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](http://www.hpd-collaborative.org) and [www.greenscreenchemicals.org](http://www.greenscreenchemicals.org).

### ENVIROWHITE ELASTOMERIC ROOF COATING %: 100.0000 - 100.0000 HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes:

#### WATER

ID: 7732-18-5

%: 30.0000 - 40.0000

GS: BM-4

RC: None

NANO: NO

ROLE: Solvent

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### 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:

#### 2-PROPENOIC ACID, POLYMER WITH ETHENYLBENZENE AND 2-ETHYLHEXYL 2-PROPENOATE

ID: 25085-19-2

%: 15.0000 - 25.0000

GS: LT-UNK

RC: None

NANO: NO

ROLE: Waterproofing/flexibility

#### HAZARDS:

#### AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### TITANIUM DIOXIDE

ID: 13463-67-7

%: 5.0000 - 10.0000

GS: LT-1

RC: None

NANO: NO

ROLE: Pigment

**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 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Not available in respirable form.

**CHLOROTHALONIL**

ID: 1897-45-6

%: 0.1000 - 0.5000      GS: LT-1      RC: None      NANO: NO      ROLE: Preservative/mildew resistance

**HAZARDS:****AGENCY(IES) WITH WARNINGS:**

MAMMALIAN	EU - R-phrases	R26 - Very Toxic by Inhalation
CANCER	EU - R-phrases	R40 - Limited Evidence of Carcinogenic Effects
EYE IRRITATION	EU - R-phrases	R41 - Risk of serious damage to eyes
SKIN SENSITIZE	EU - R-phrases	R43 - May cause sensitization by skin contact
ACUTE AQUATIC	EU - R-phrases	R50 - Very Toxic to Aquatic Organisms
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
CANCER	IARC	Group 2b - Possibly carcinogenic to humans
CANCER	CA EPA - Prop 65	Carcinogen
CHRON AQUATIC	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
ACUTE AQUATIC	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life M = 10
SKIN SENSITIZE	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
EYE IRRITATION	EU - GHS (H-Statements)	H318 - Causes serious eye damage
MAMMALIAN	EU - GHS (H-Statements)	H330 - Fatal if inhaled
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters

CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
SKIN SENSITIZE	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SUBSTANCE NOTES:		

**QUARTZ**

ID: 14808-60-7

%: Impurity/Residual	GS: LT-1	RC: None	NANO: NO	ROLE: Impurity/Residual
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**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

SUBSTANCE NOTES: Not in respirable form.

### 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.